

81
439

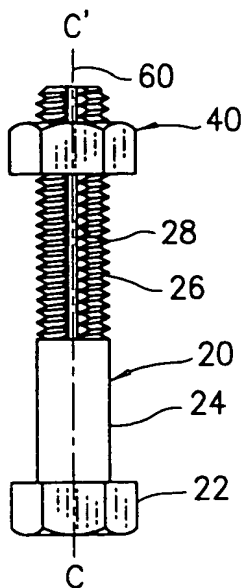


FIG. 1a

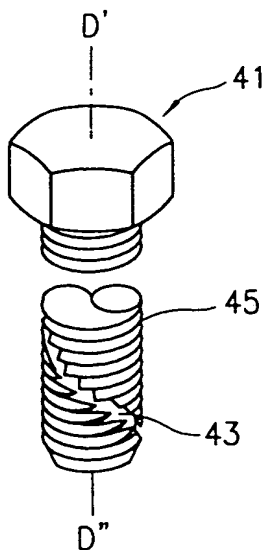


FIG. 2a

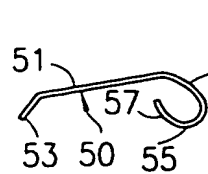


FIG. 3a

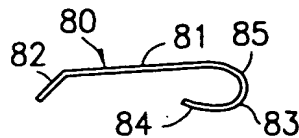


FIG. 5a

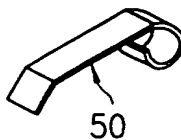


FIG. 3b

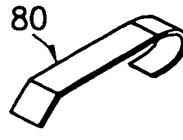


FIG. 5b

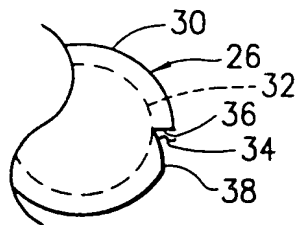


FIG. 1b

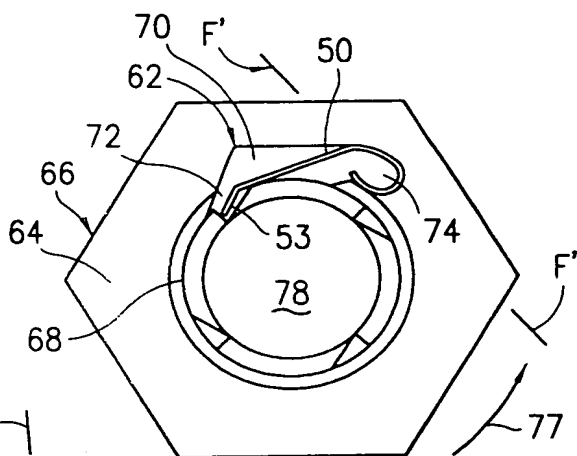


FIG. 4

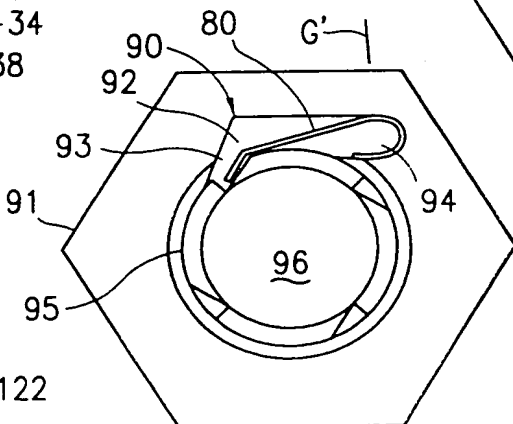


FIG. 6a

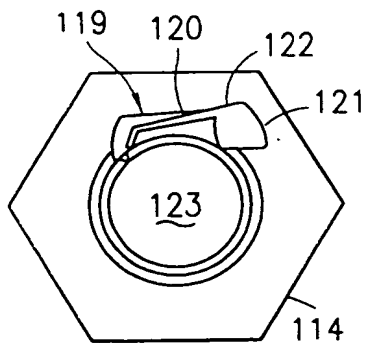


FIG. 10

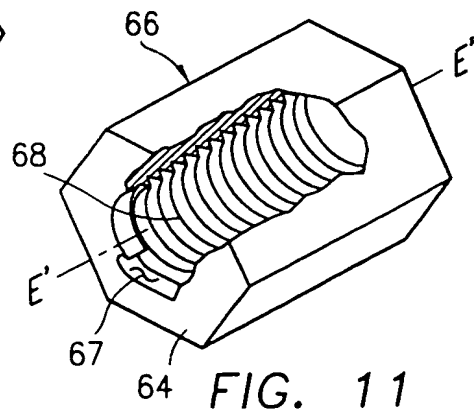


FIG. 11

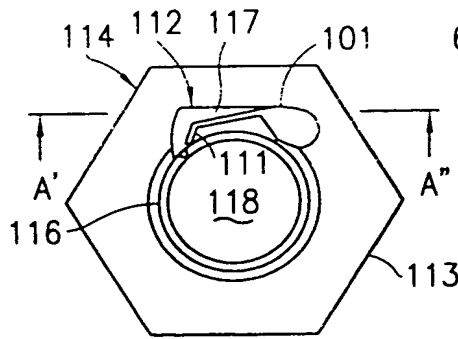


FIG. 8

FIG. 1a

+

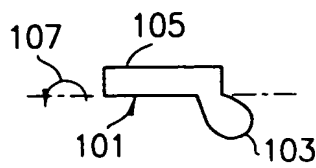


FIG. 7a

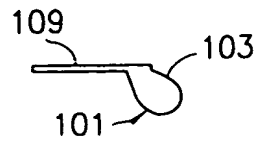


FIG. 7b

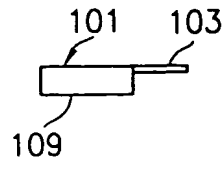


FIG. 7c

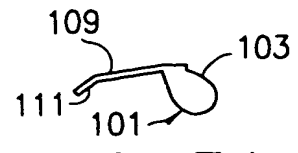


FIG. 7d

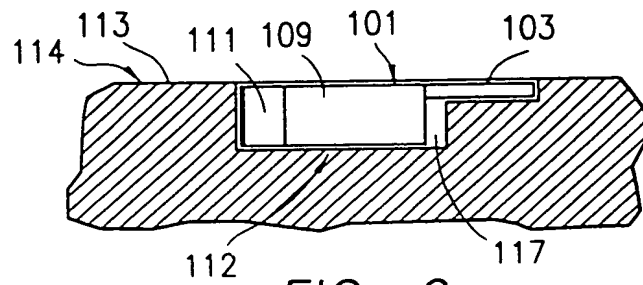


FIG. 9

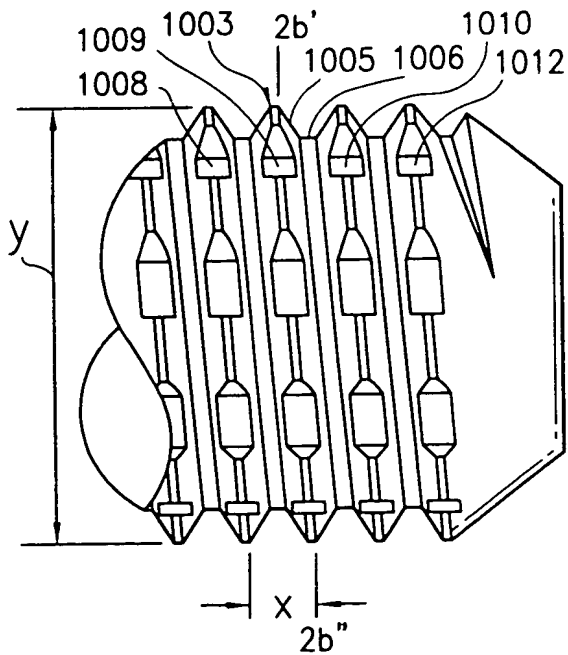


FIG. 2b

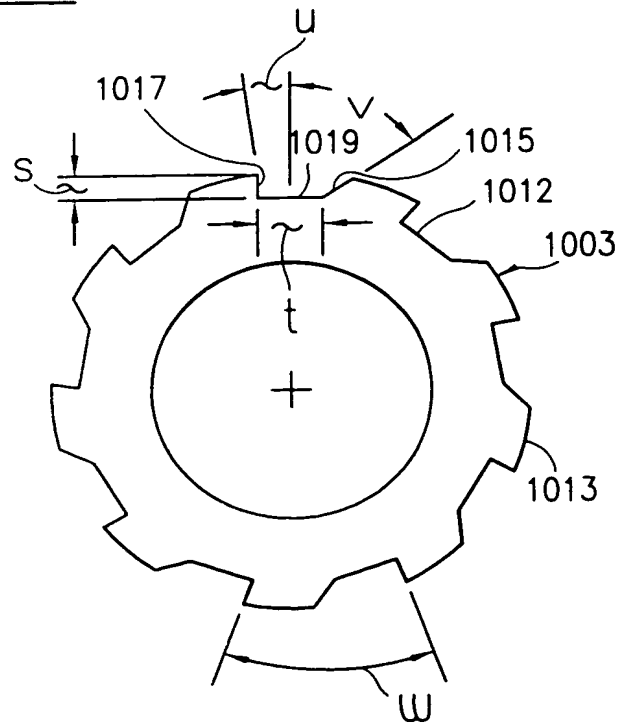


FIG. 2c

FIG. 2b

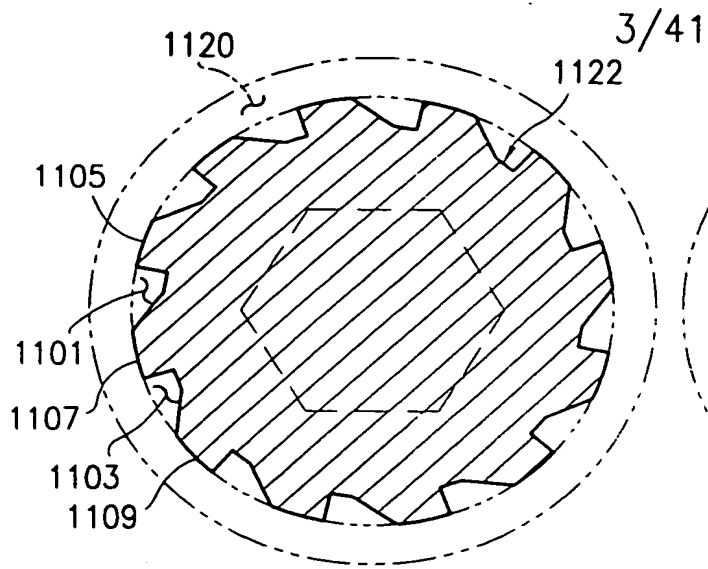


FIG. 6b

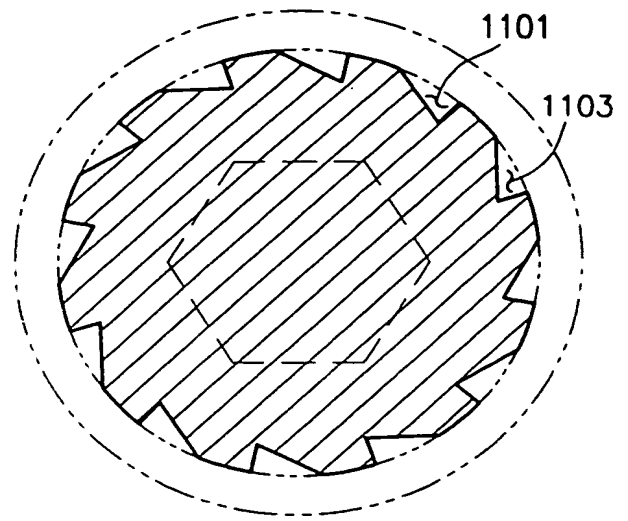


FIG. 6c

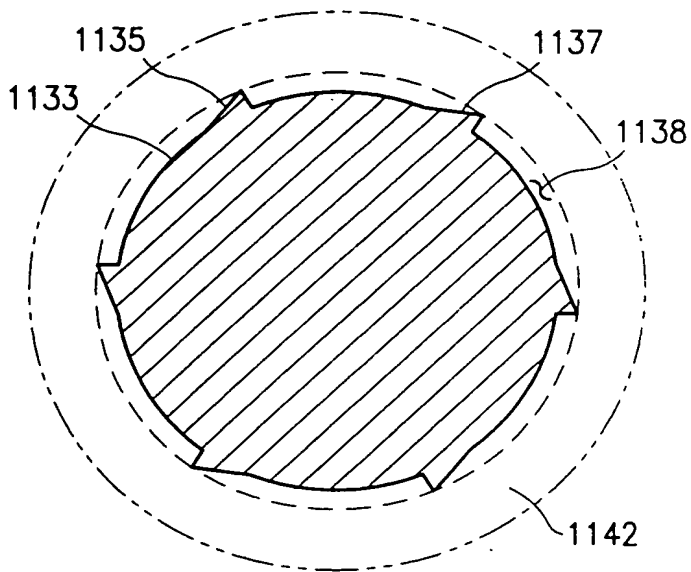


FIG. 6f

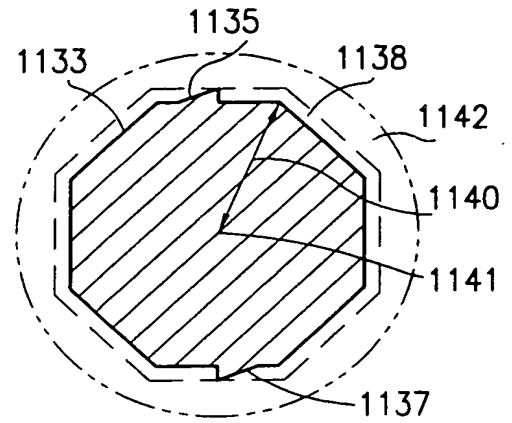


FIG. 6g

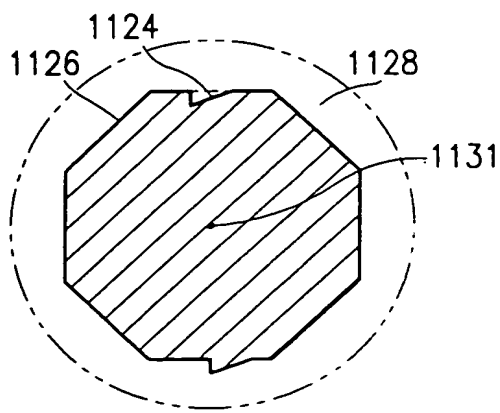


FIG. 6d

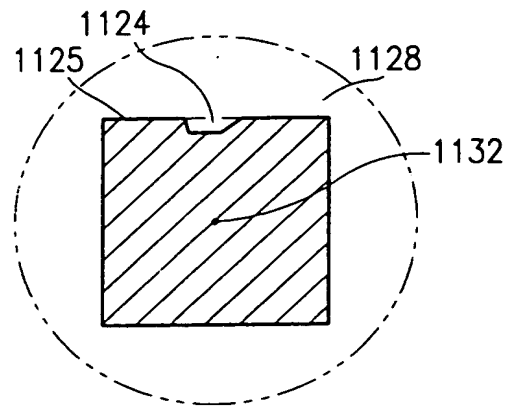


FIG. 6e

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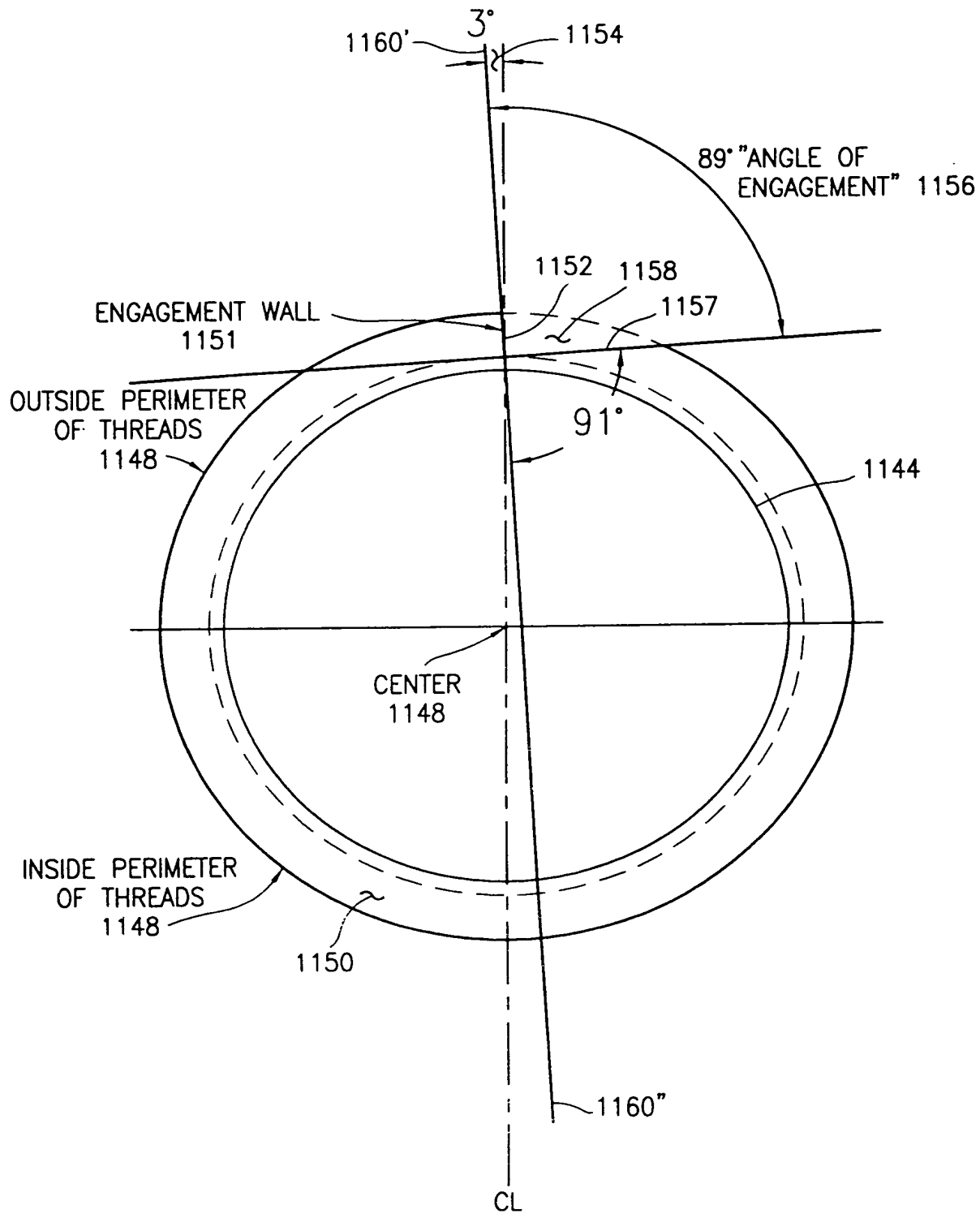


FIG. 6h

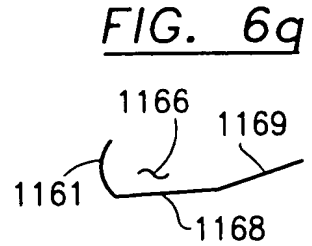
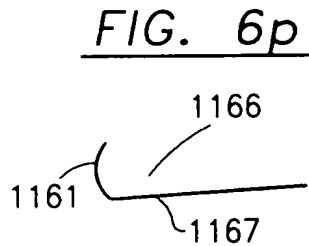
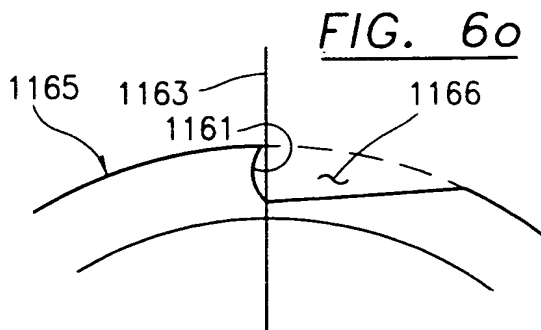
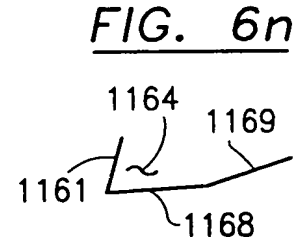
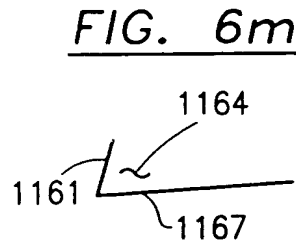
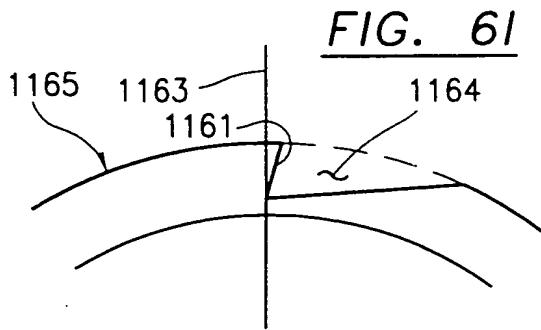
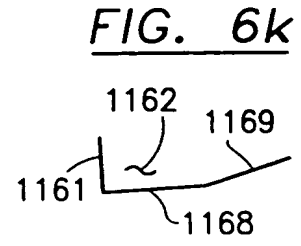
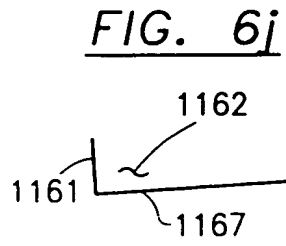
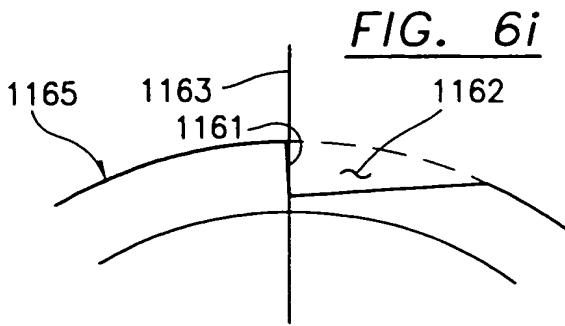


FIG. 6i

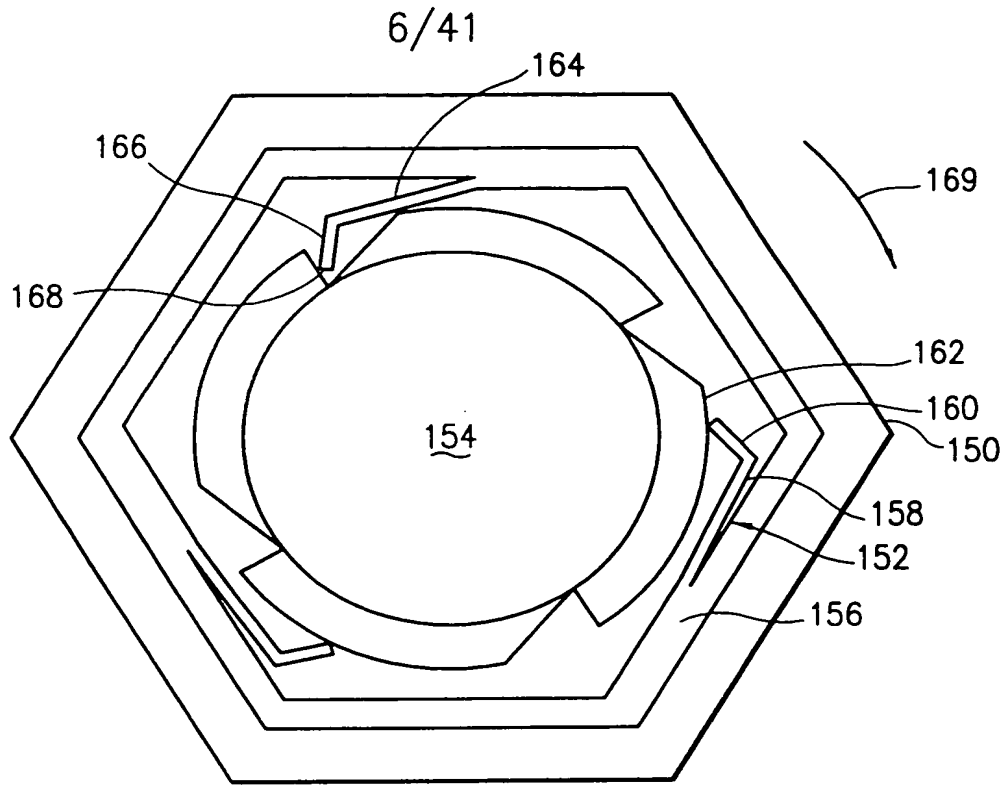


FIG. 12

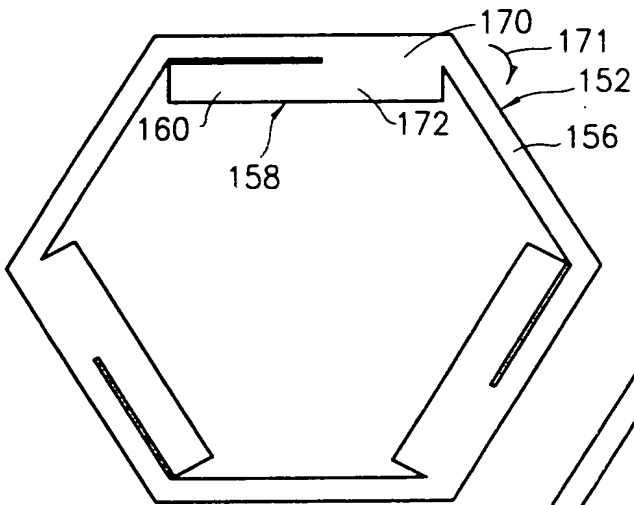


FIG. 13

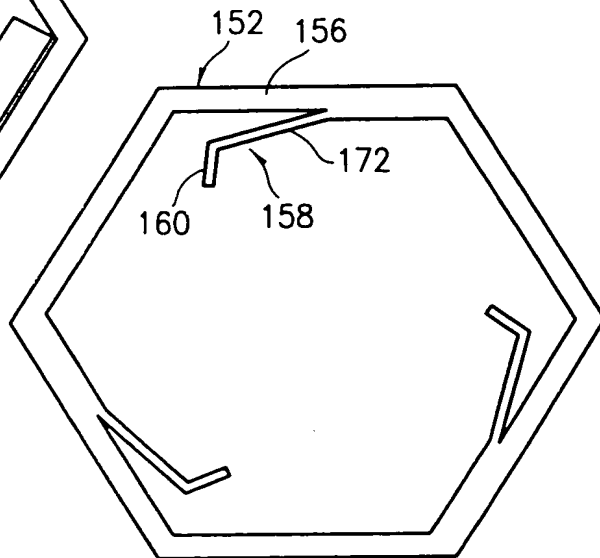


FIG. 14

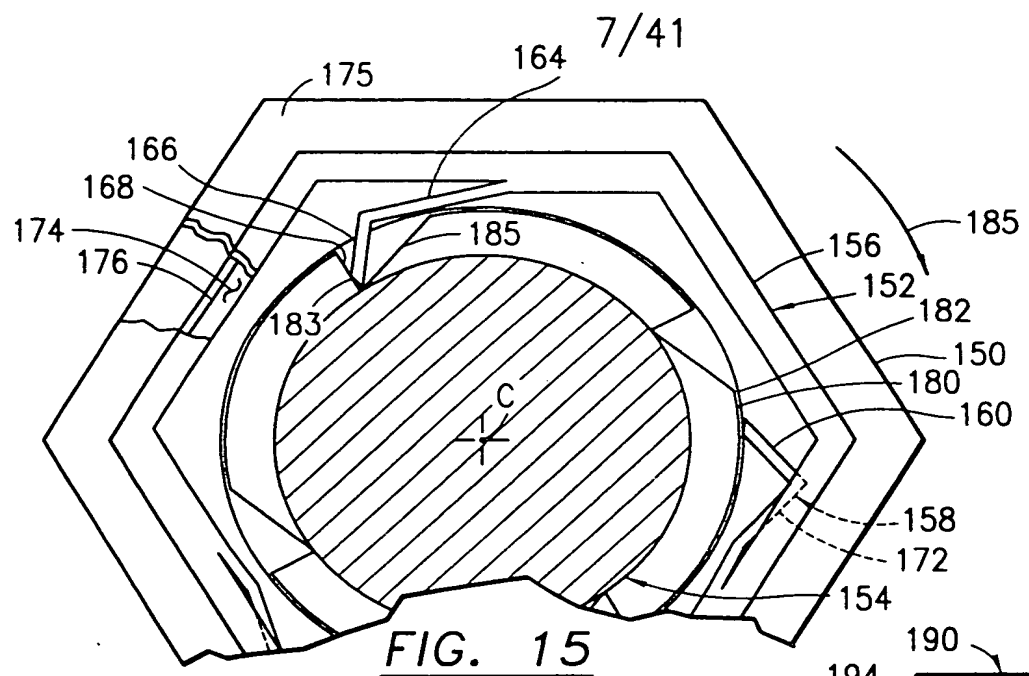


FIG. 15

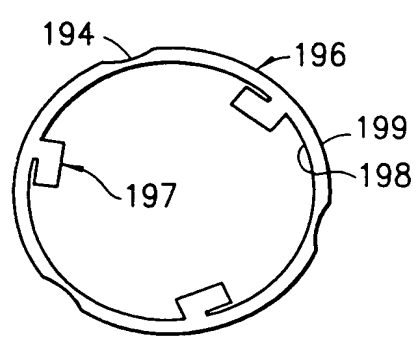


FIG. 17a

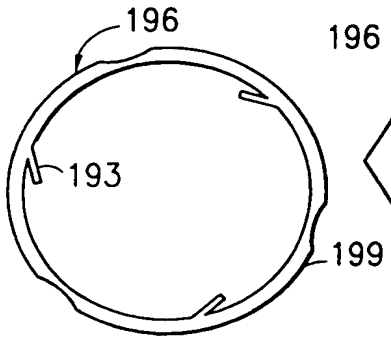


FIG. 17b

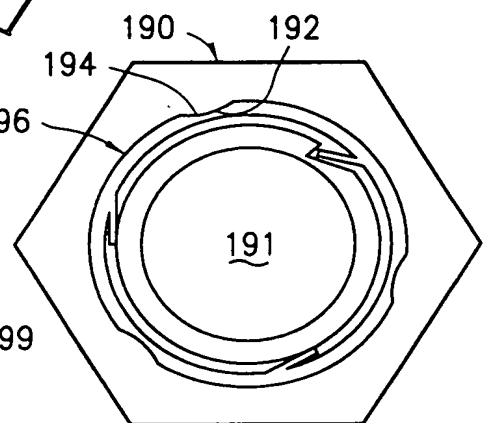


FIG. 16

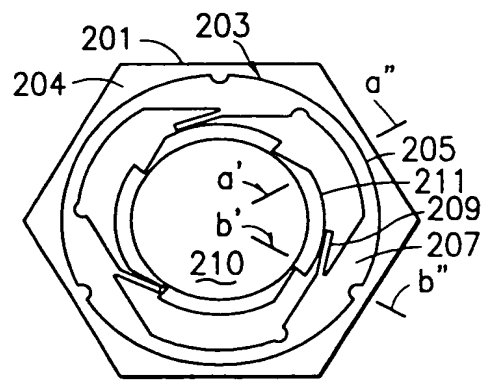


FIG. 18

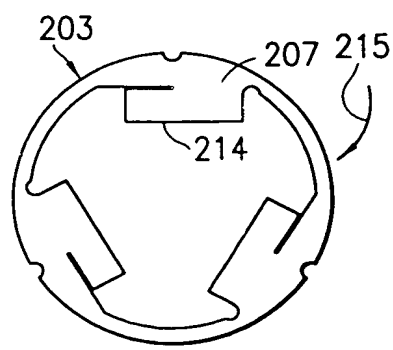


FIG. 21

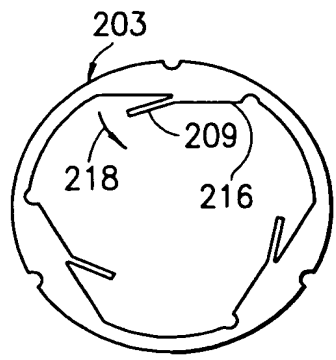


FIG. 22

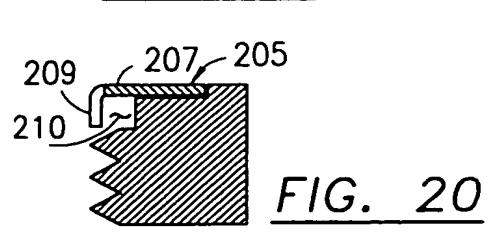


FIG. 20

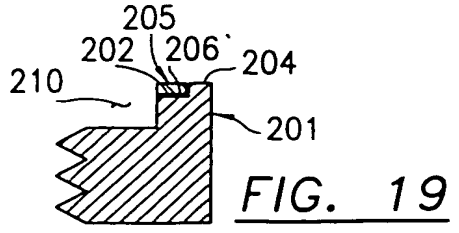


FIG. 19

FIG. 15

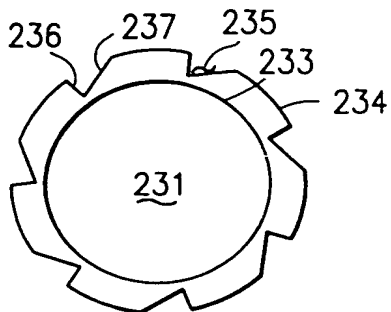


FIG. 24

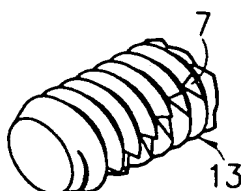


FIG. 25a

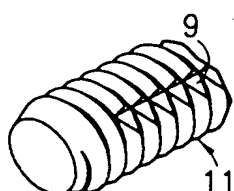


FIG. 25b

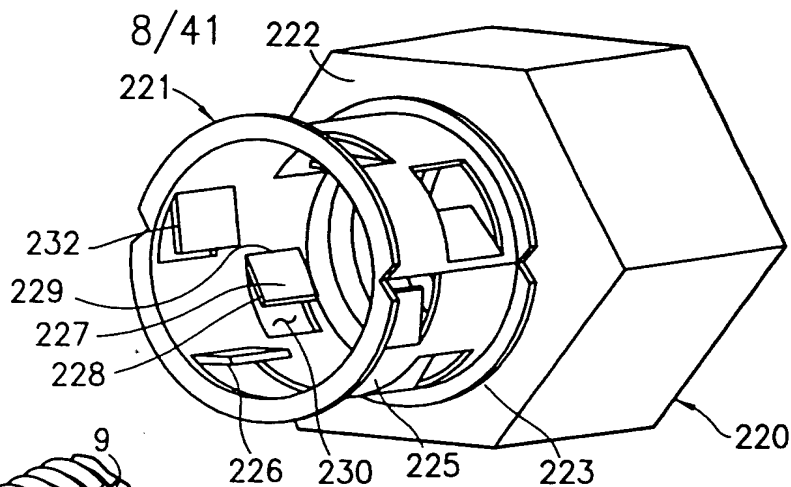


FIG. 23

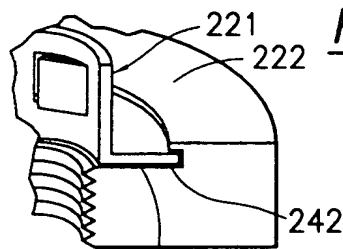


FIG. 29

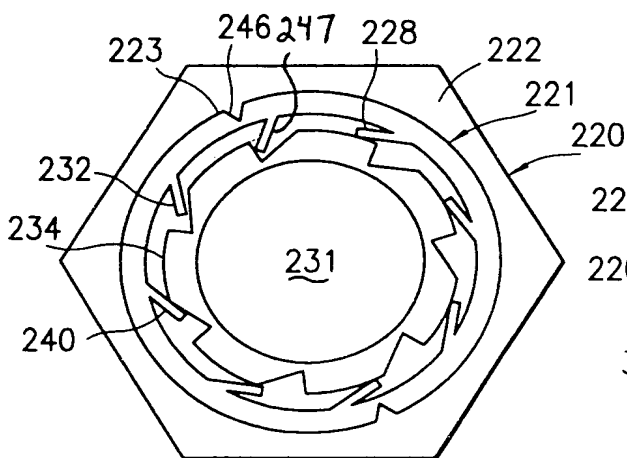


FIG. 26

FIG. 27b

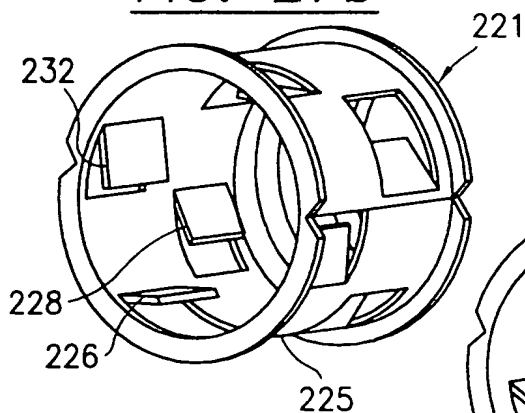


FIG. 27a

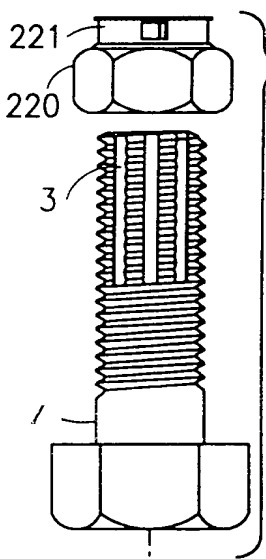


FIG. 28

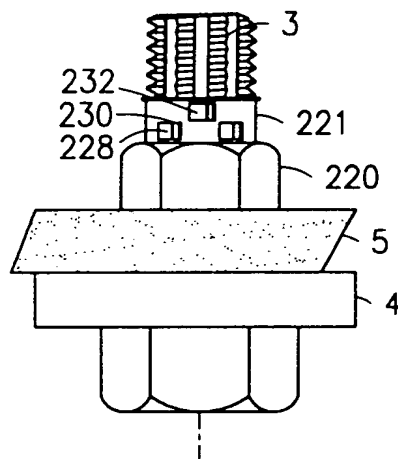
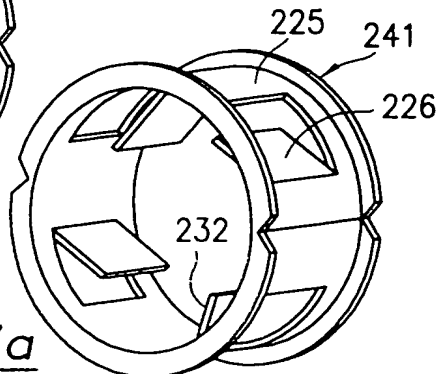


FIG. 30a



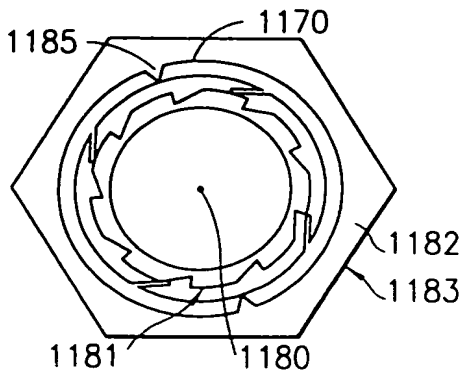


FIG. 30f

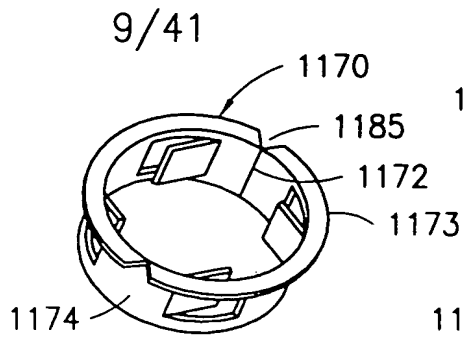


FIG. 30b

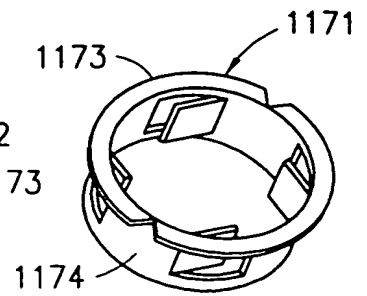


FIG. 30c

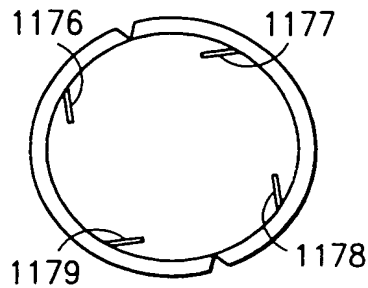


FIG. 30e

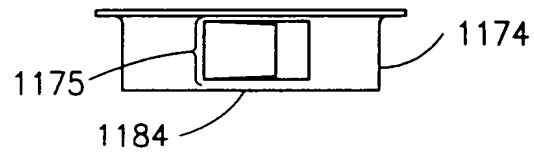


FIG. 30d

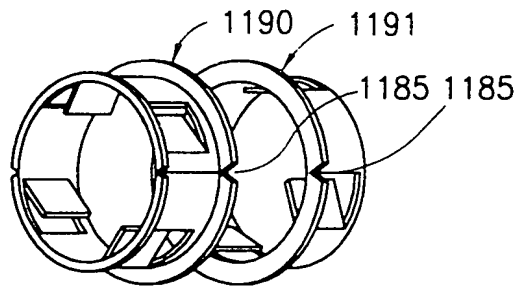


FIG. 30g

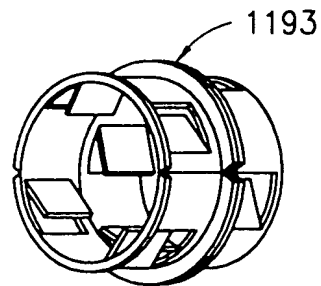


FIG. 30h

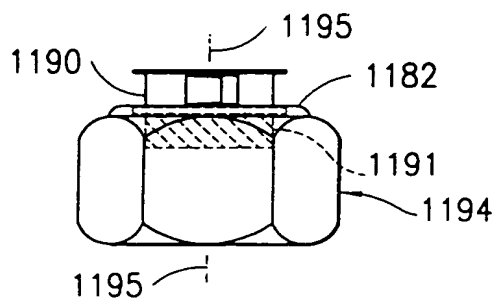


FIG. 30i

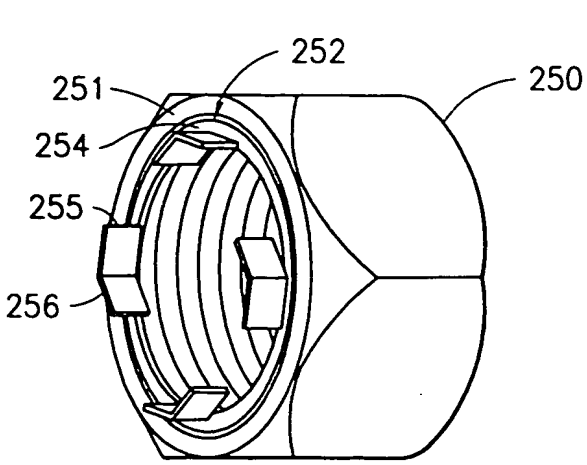


FIG. 31

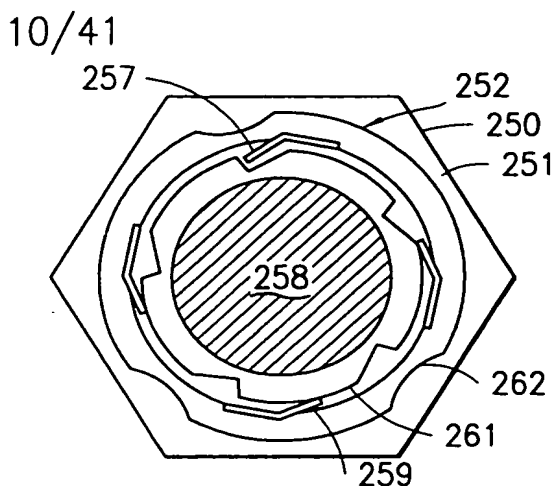


FIG. 32

FIG. 34

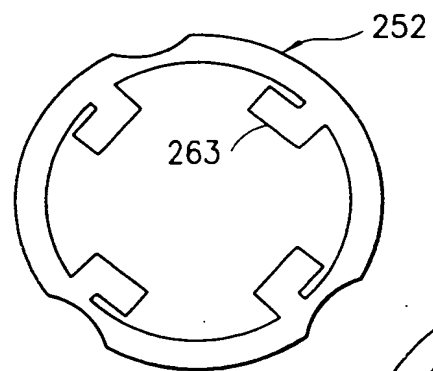
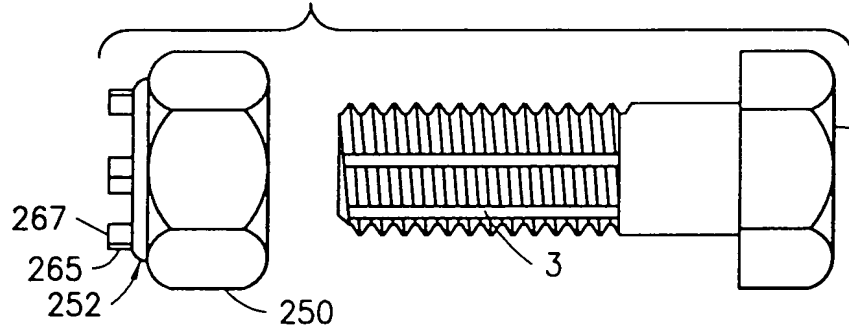


FIG. 33a

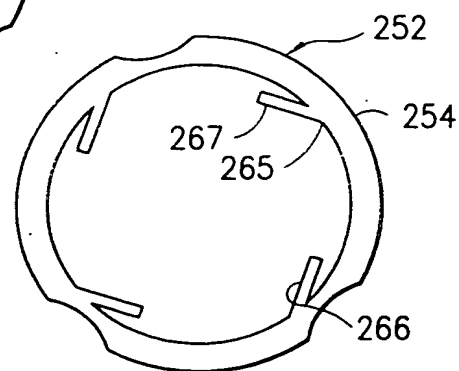


FIG. 33b

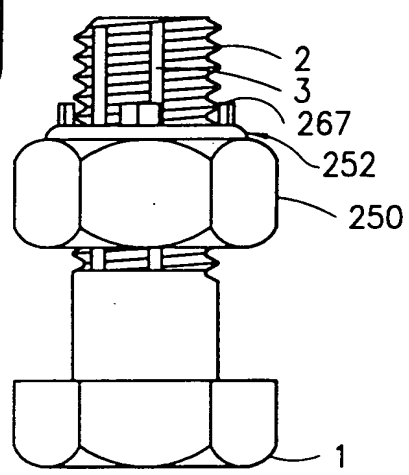


FIG. 35a

FIG. 31 32 33a 33b 34 35a

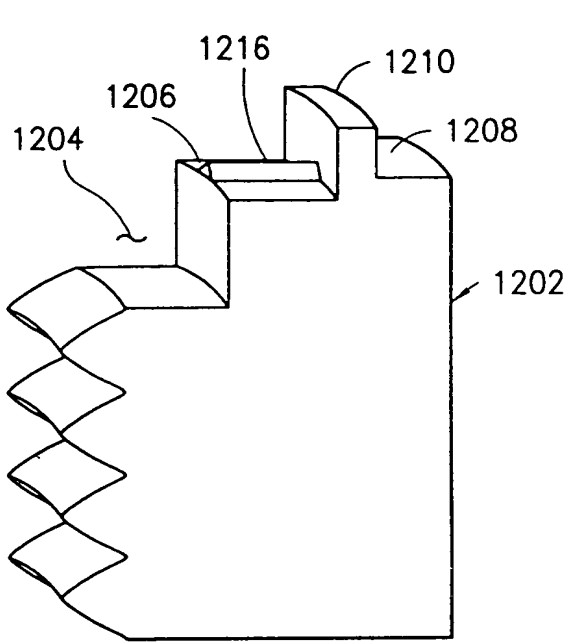


FIG. 35d

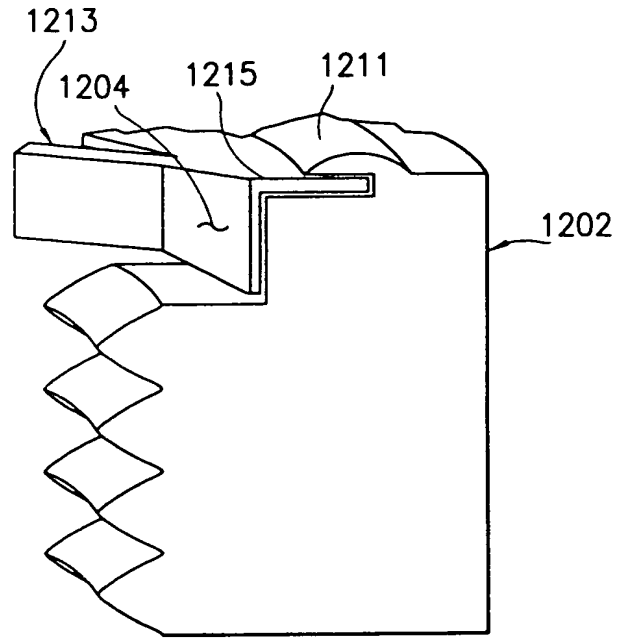


FIG. 35e

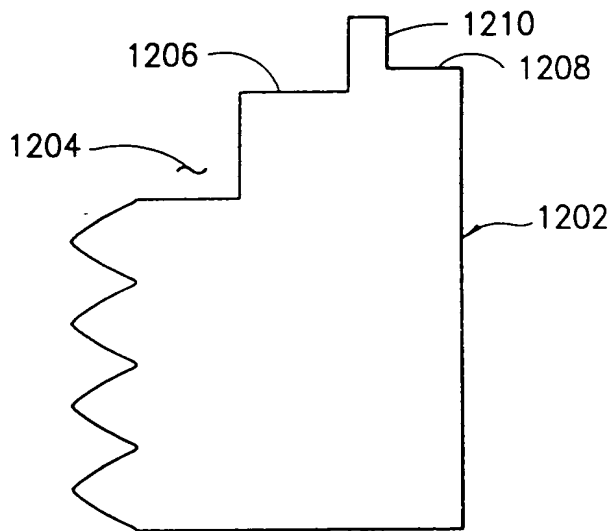


FIG. 35b

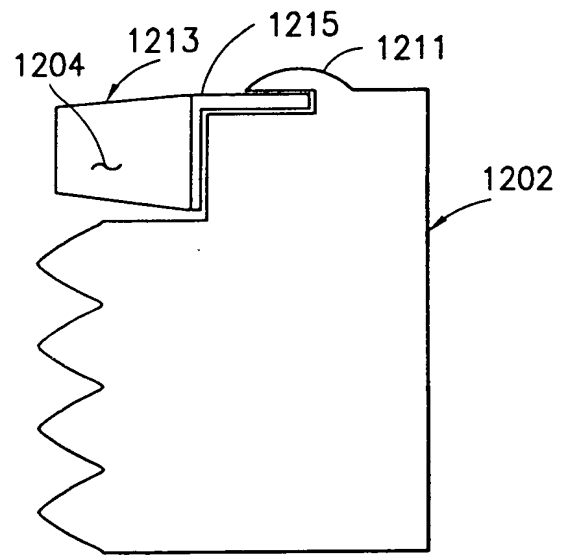
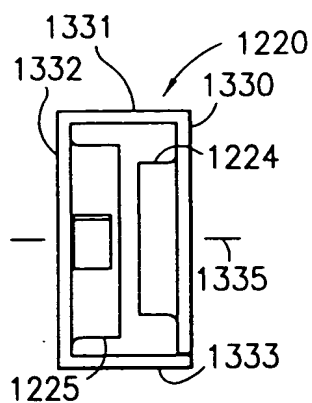
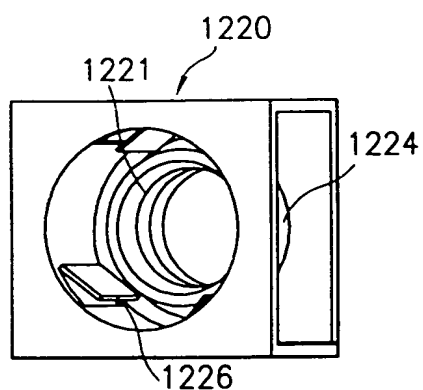
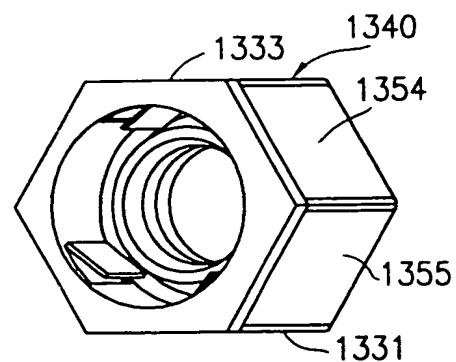
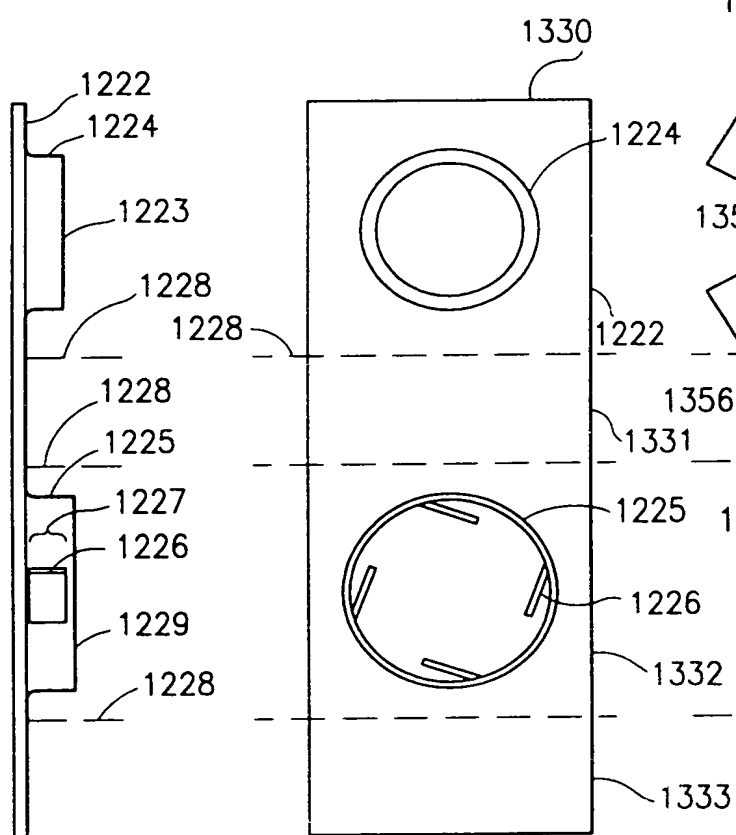
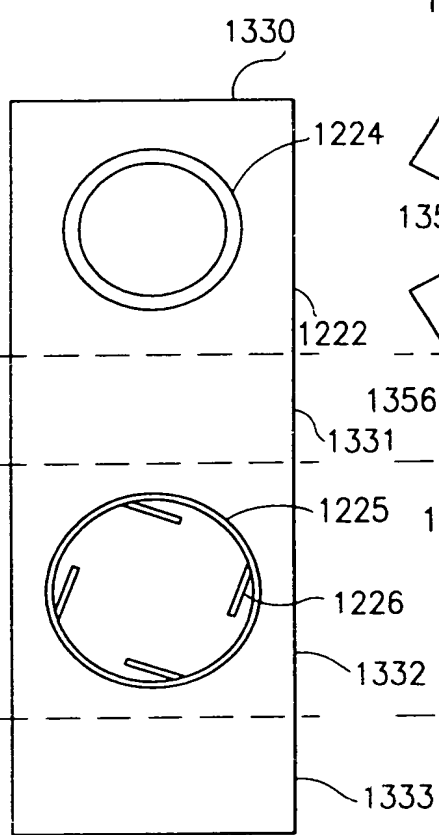
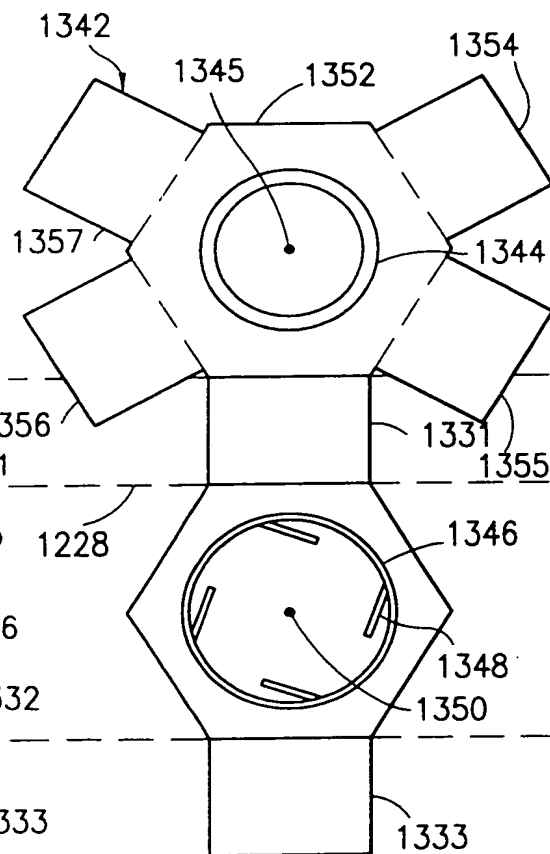


FIG. 35c

FIG. 35a

FIG. 35hFIG. 35iFIG. 35kFIG. 35fFIG. 35gFIG. 35j

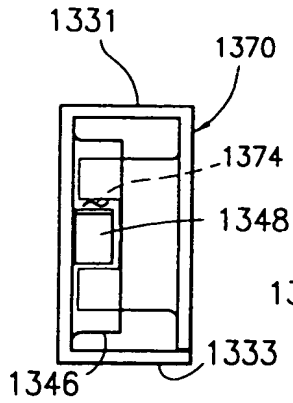


FIG. 35n

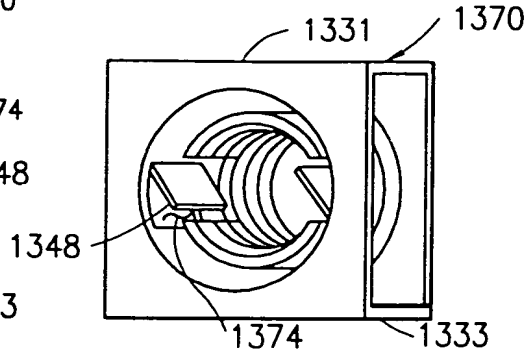


FIG. 35o

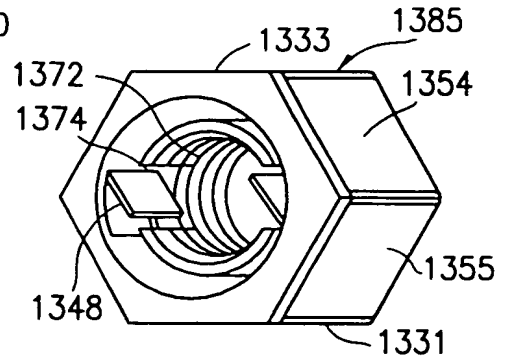


FIG. 35q

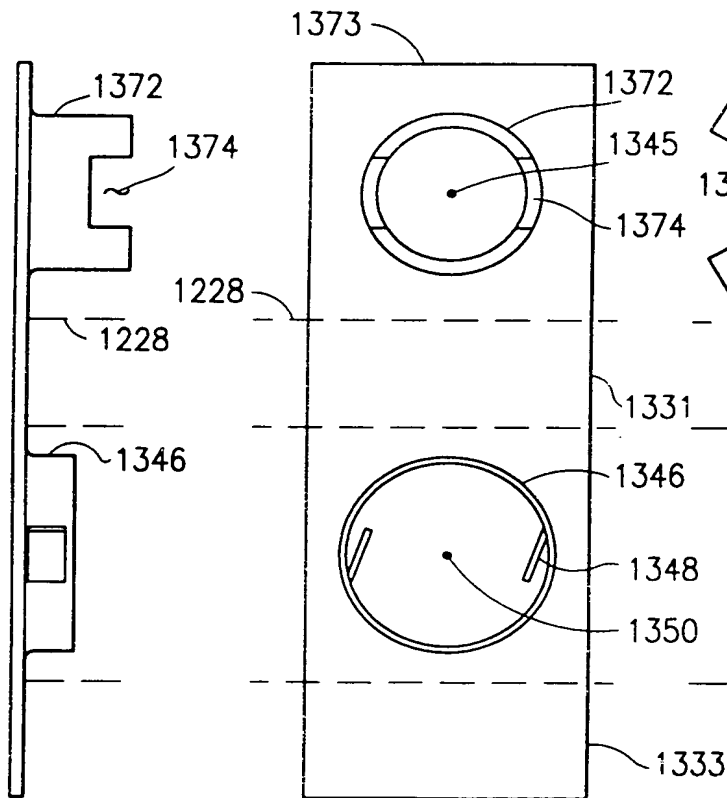


FIG. 35l

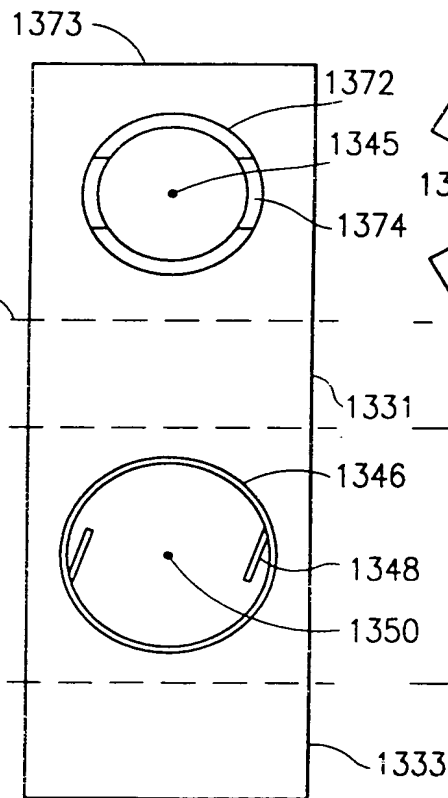


FIG. 35m

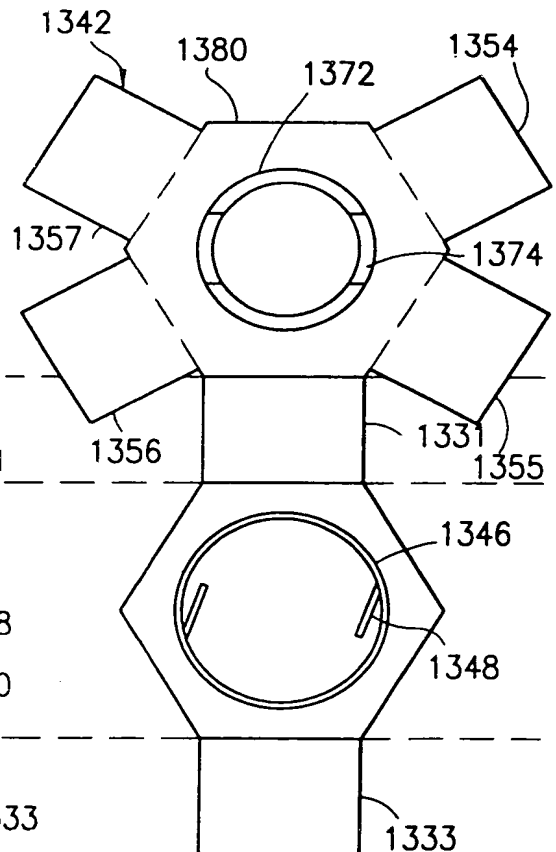


FIG. 35p

FIG. 35n

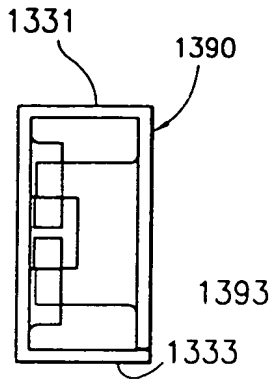


FIG. 35t

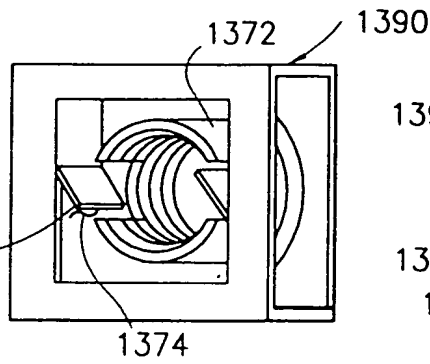


FIG. 35u

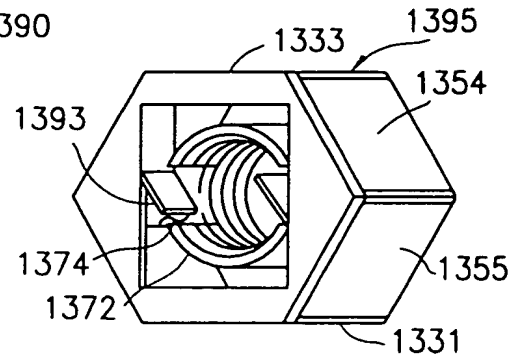


FIG. 35w

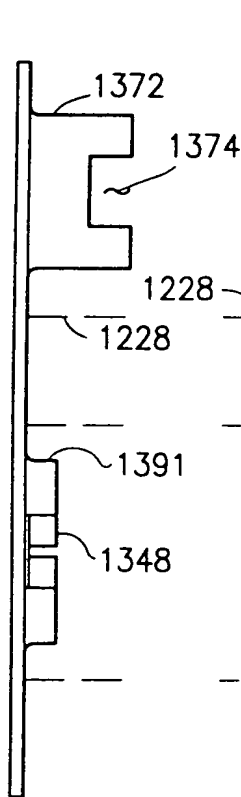


FIG. 35r

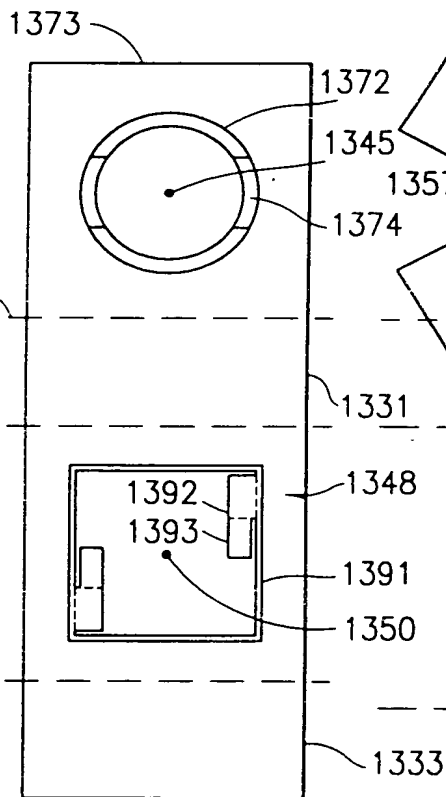


FIG. 35s

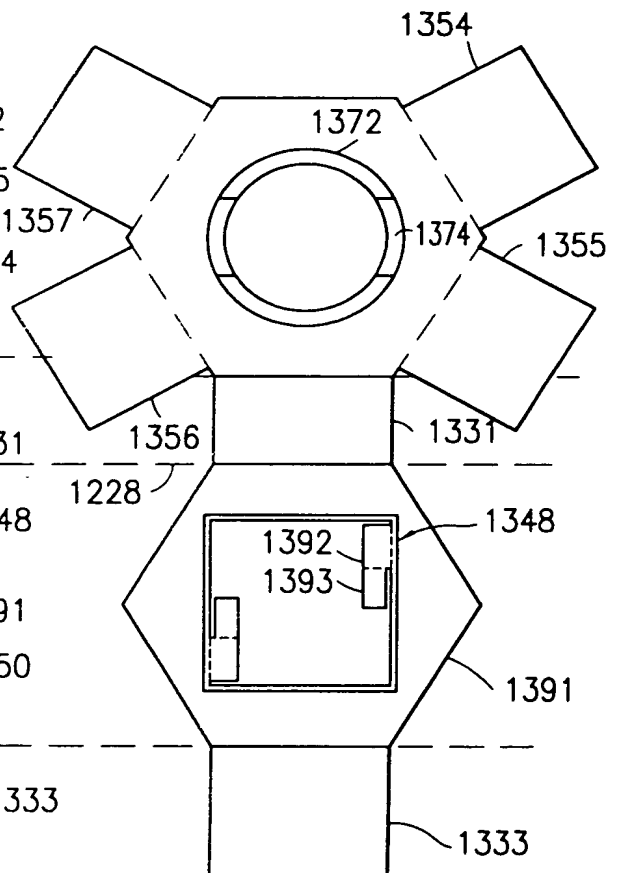


FIG. 35v

FIG. 35t

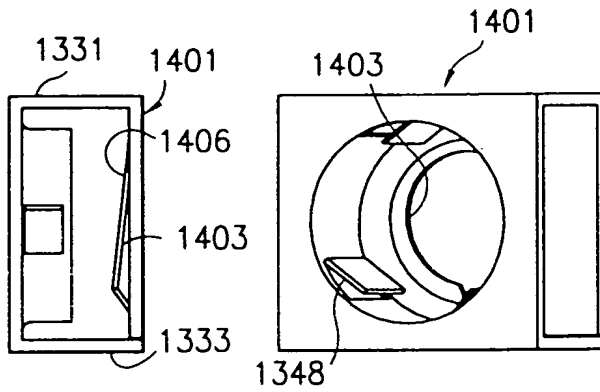


FIG. 35z FIG. 35aa

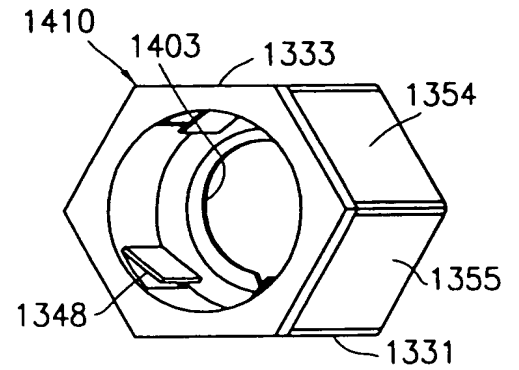


FIG. 35cc

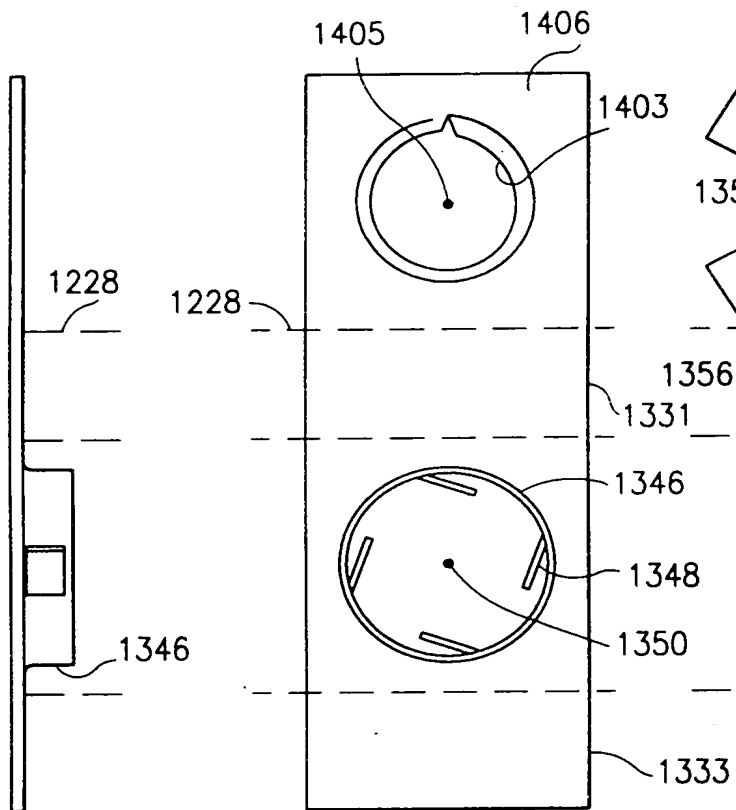


FIG. 35x FIG. 35y

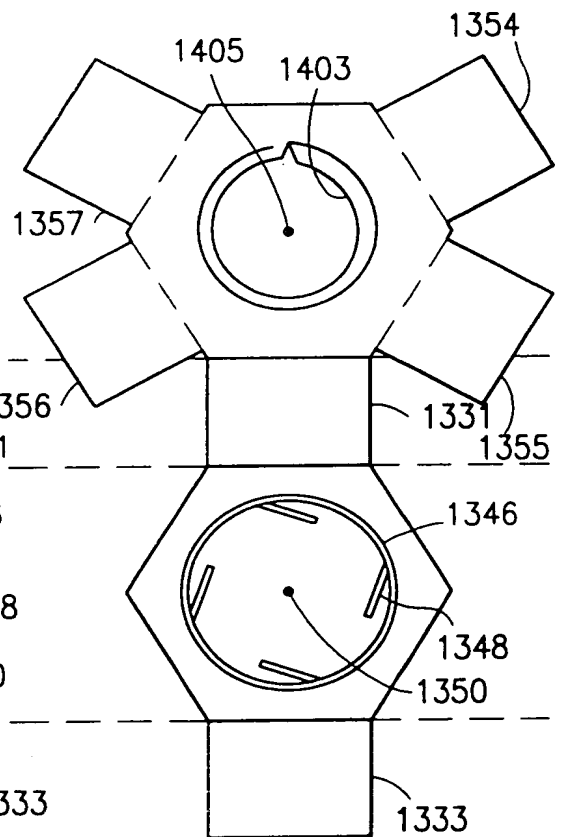


FIG. 35bb

FIG. 35z

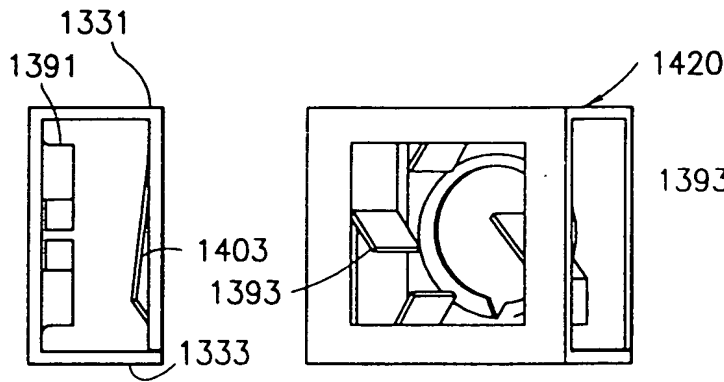


FIG. 35ff

FIG. 35gg

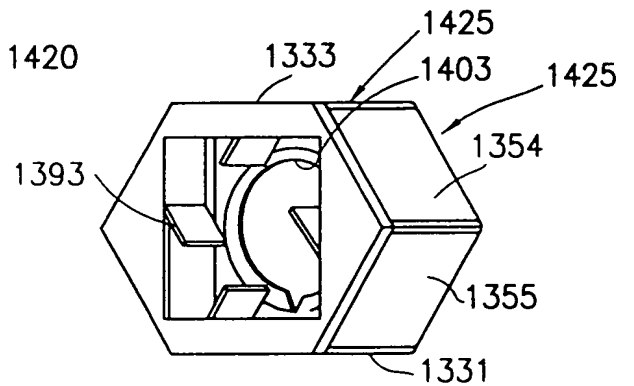


FIG. 35ii

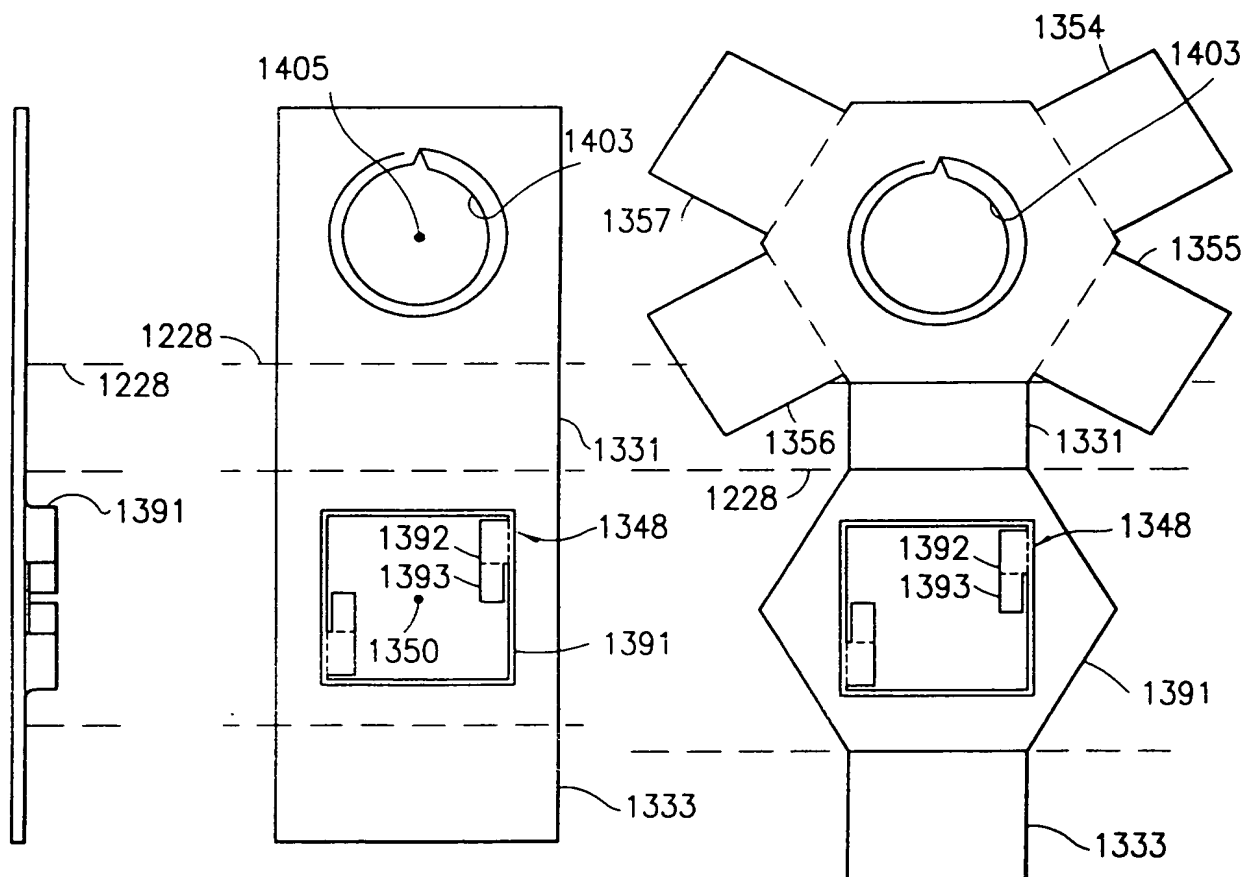


FIG. 35dd

FIG. 35ee

FIG. 35hh

FIG. 35ff

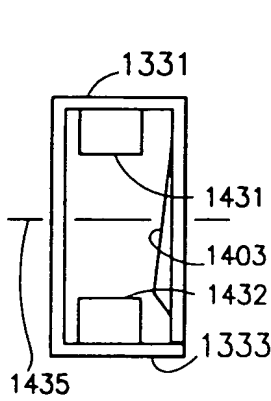


FIG. 35ii

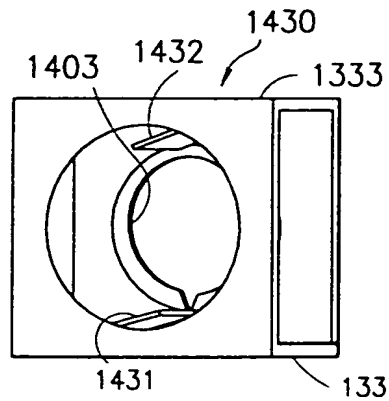


FIG. 35mm

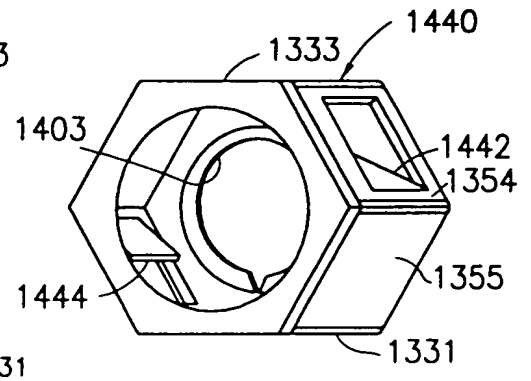


FIG. 35oo

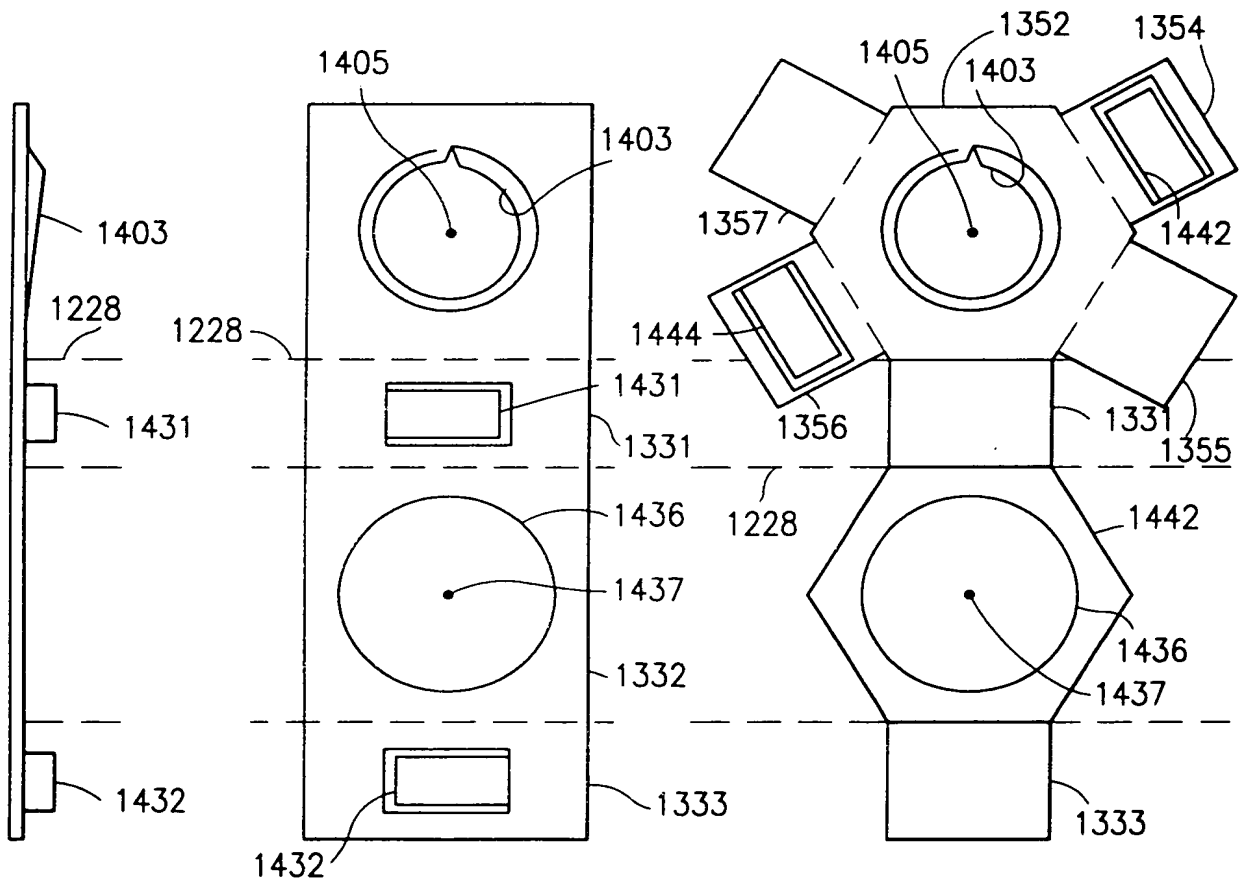


FIG. 35jj

FIG. 35kk

FIG. 35nn

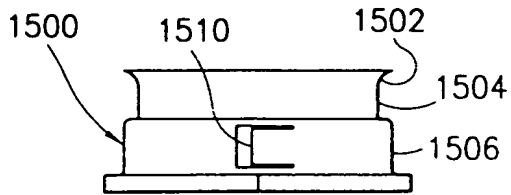


FIG. 35qq

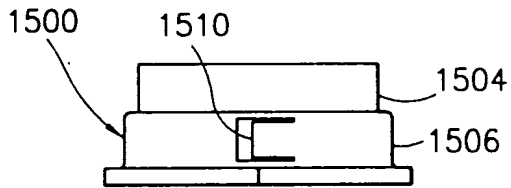


FIG. 35pp

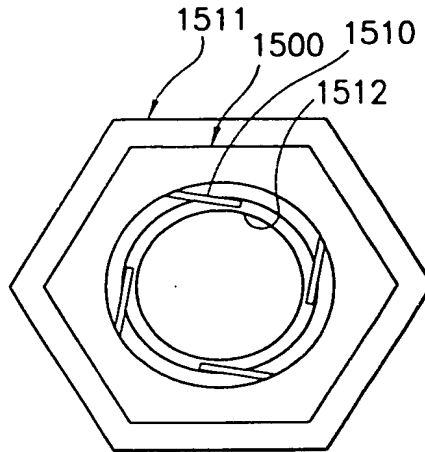


FIG. 35rr

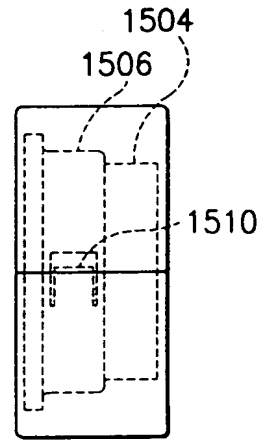


FIG. 35ss

FIG. 35qq

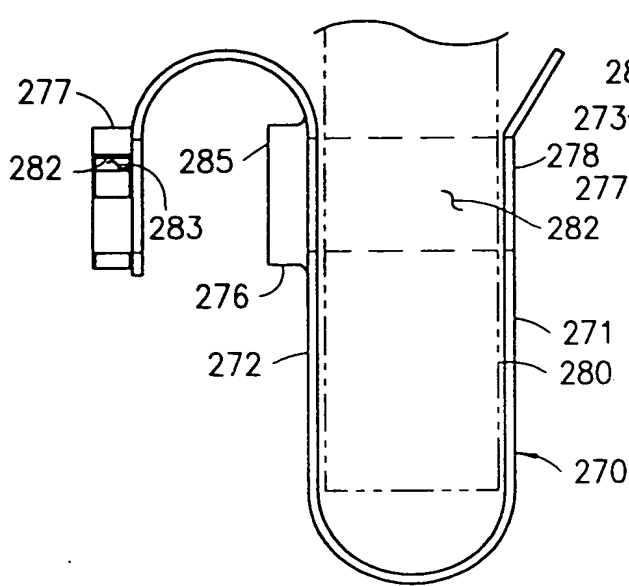


FIG. 37

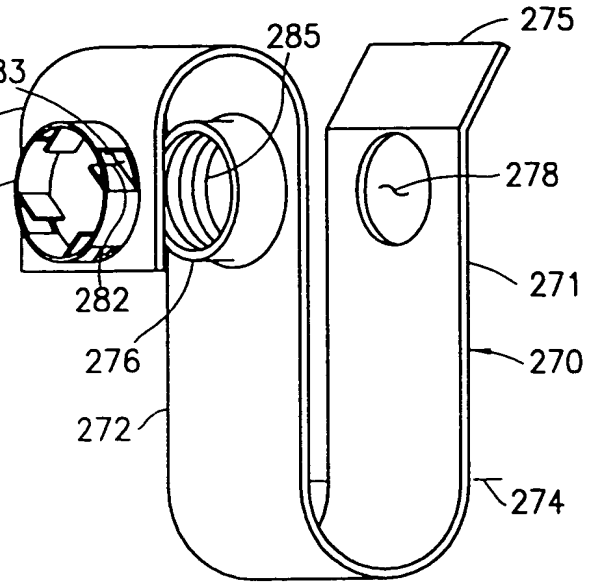


FIG. 36

FIG. 38a

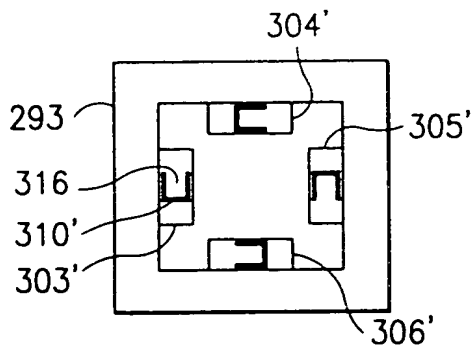
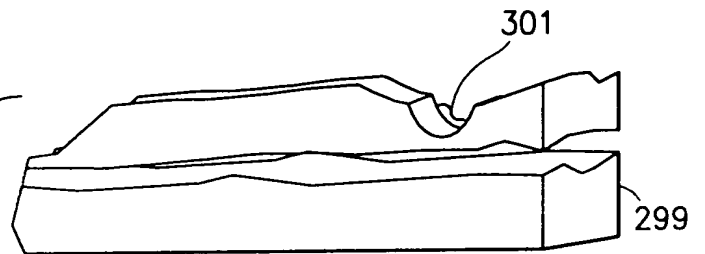
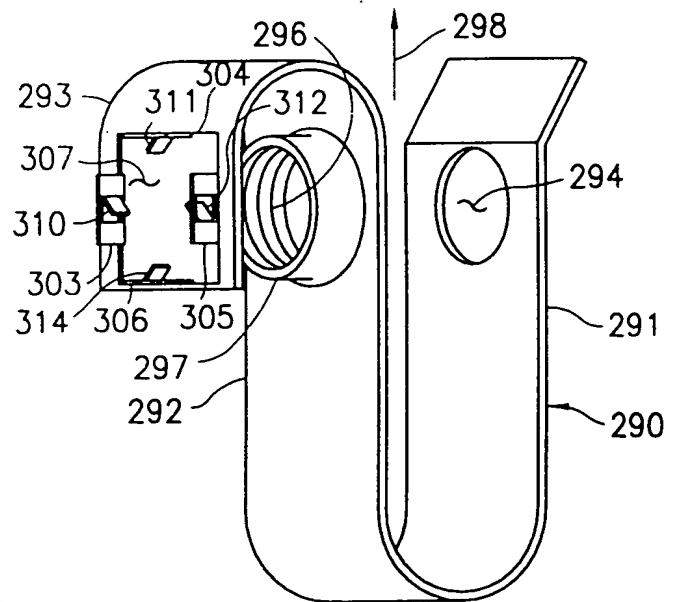
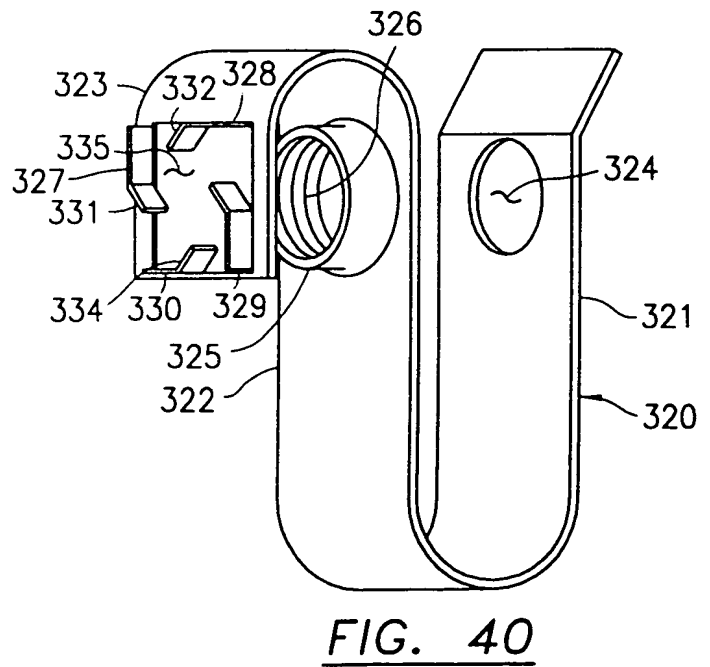
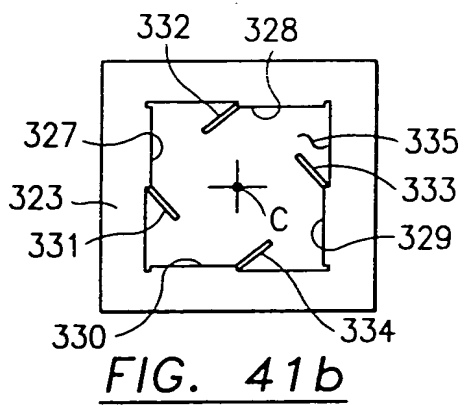
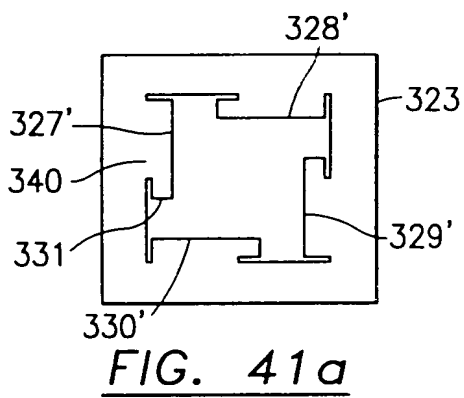
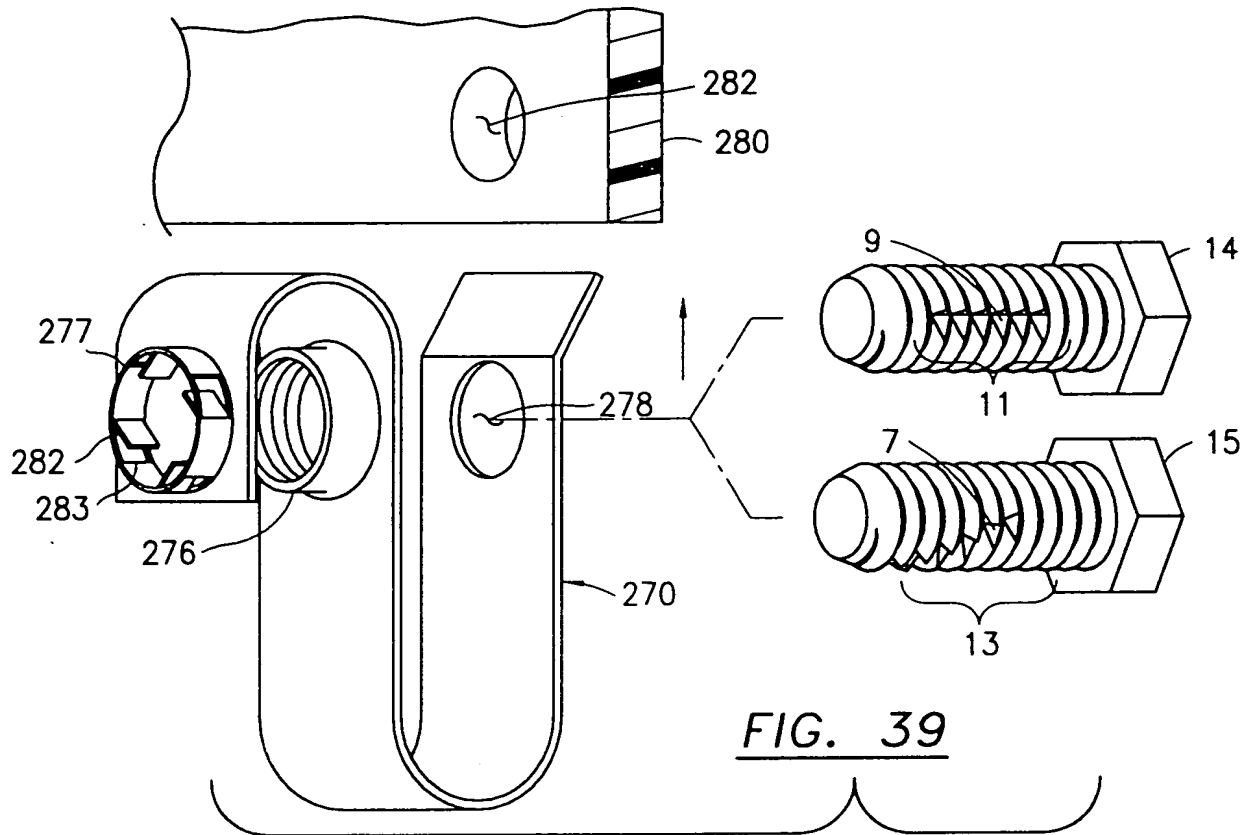


FIG. 38b





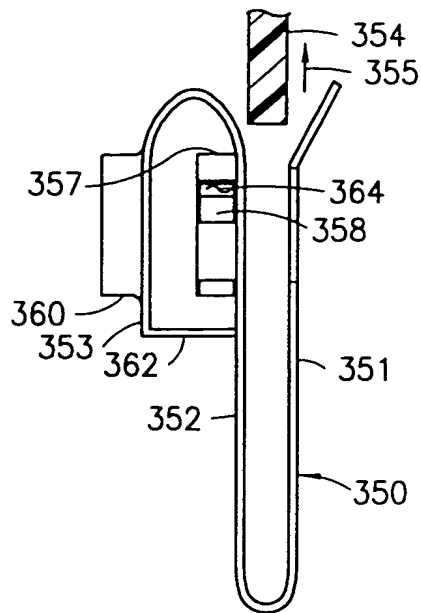


FIG. 43

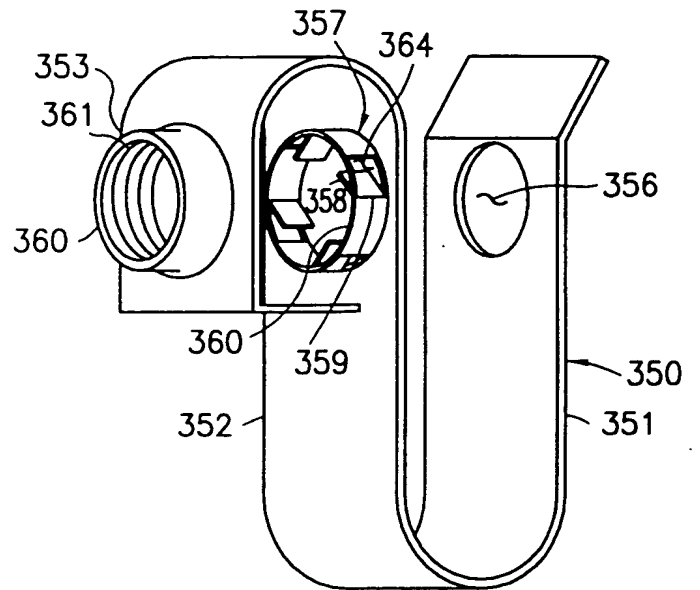


FIG. 42

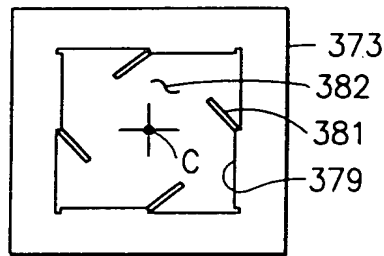


FIG. 45b

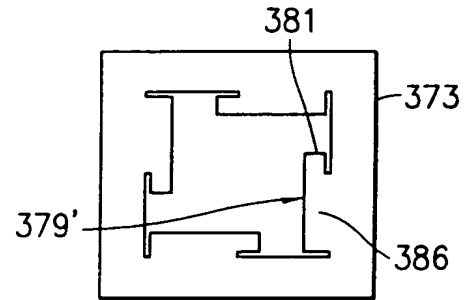


FIG. 45a

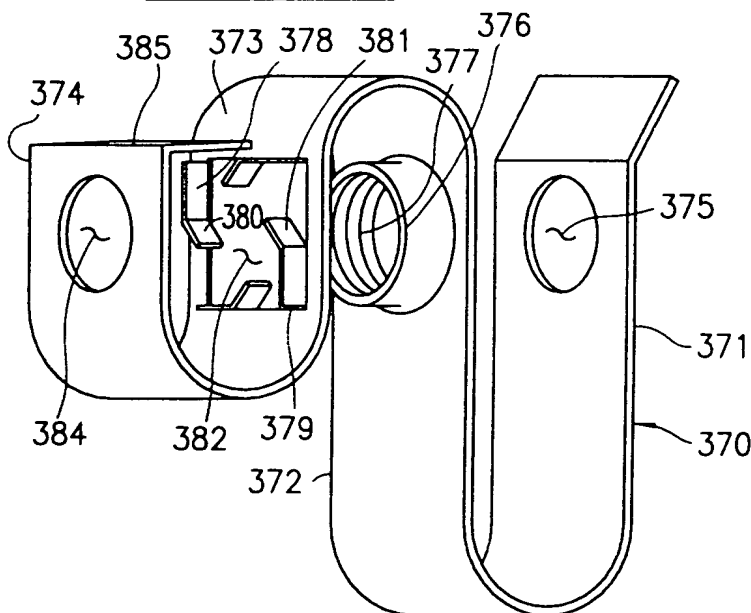


FIG. 44

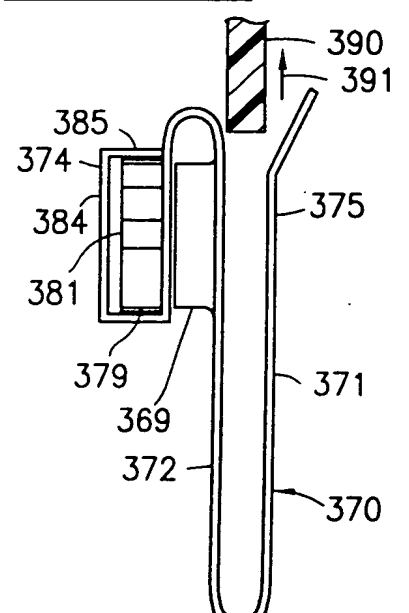


FIG. 46a

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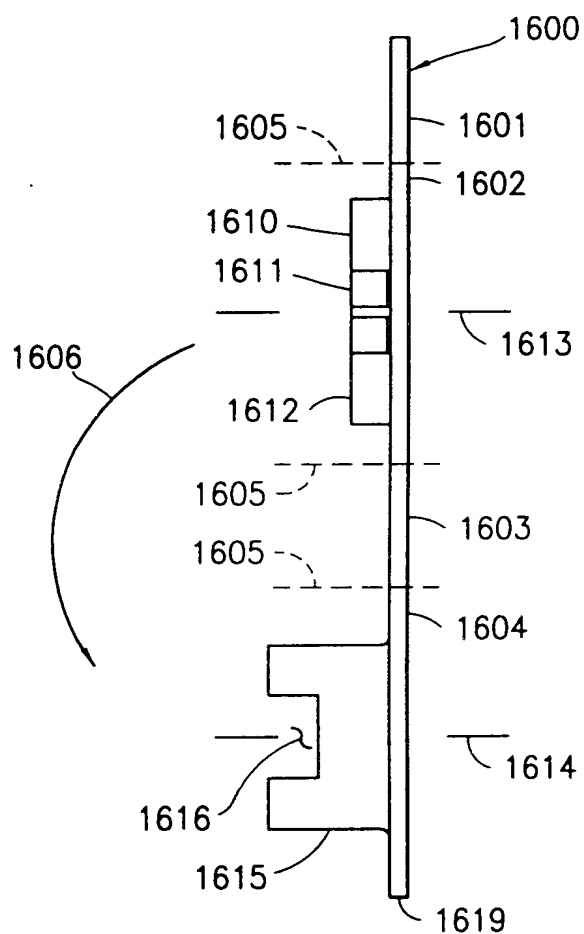


FIG. 46b

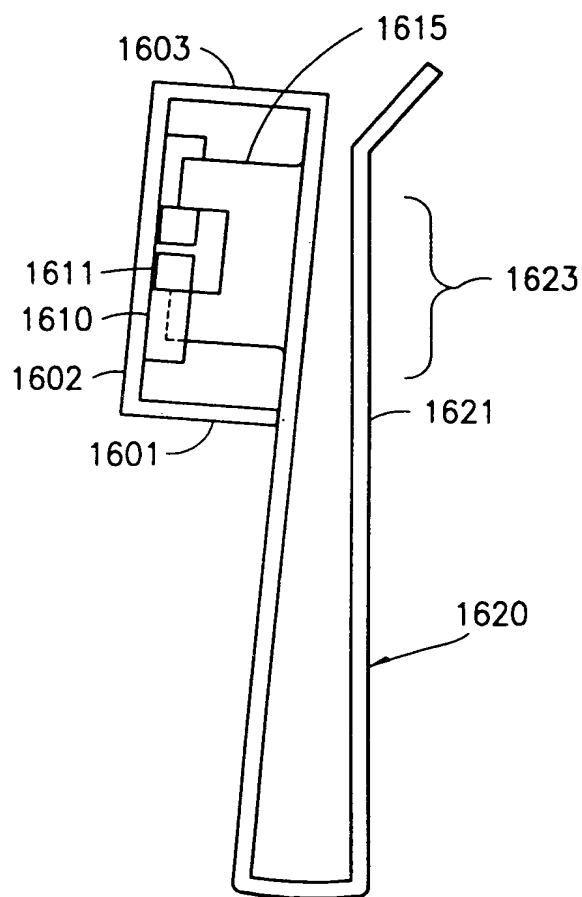


FIG. 46c

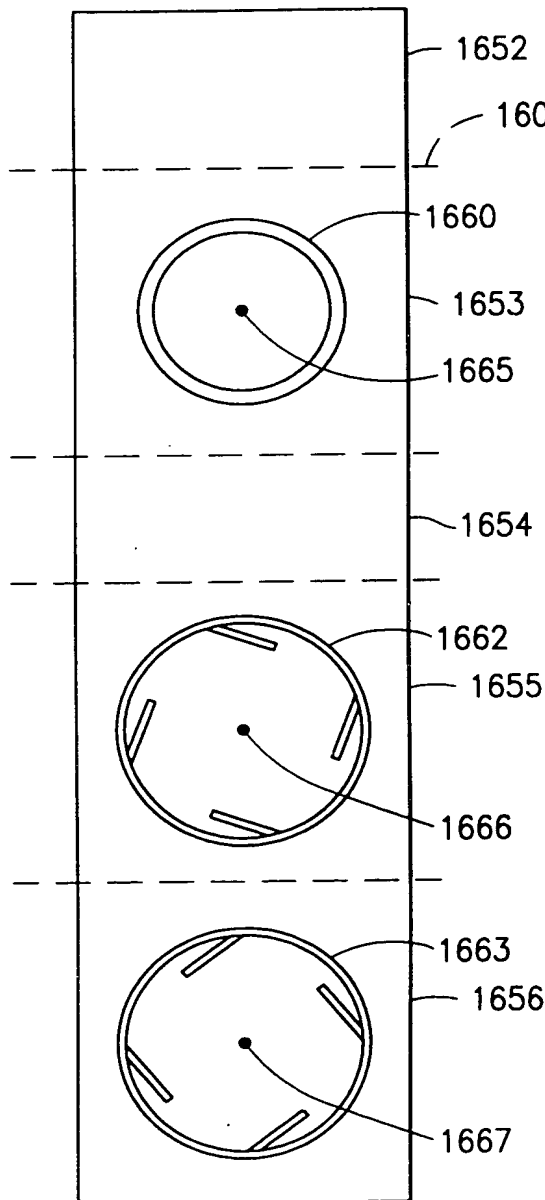
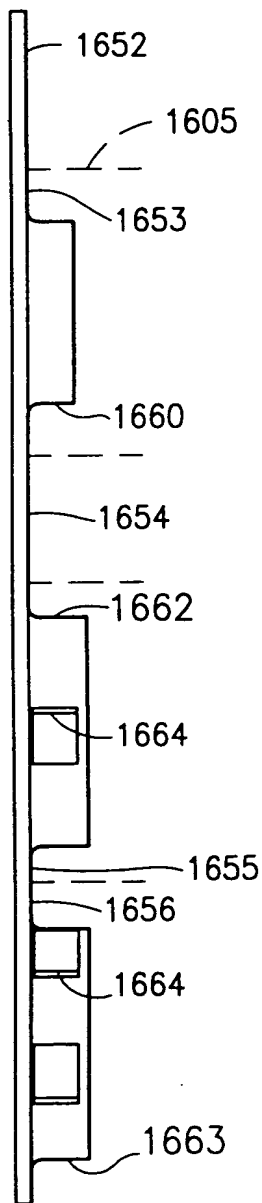
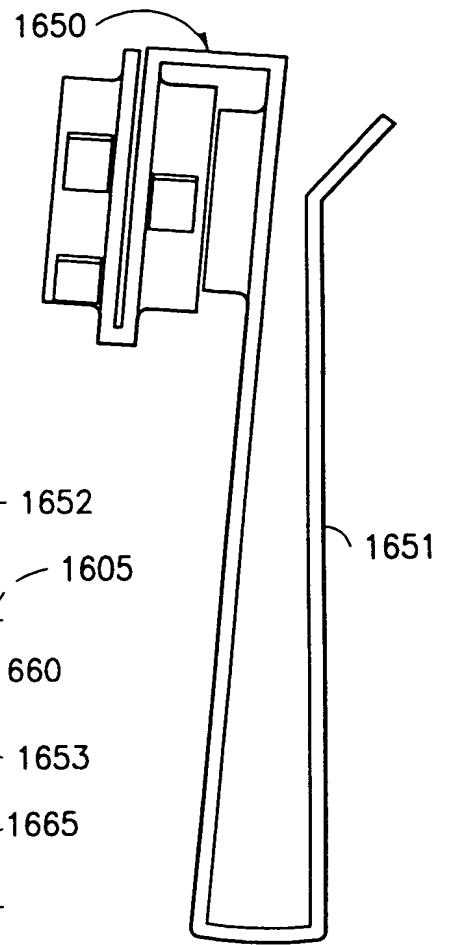
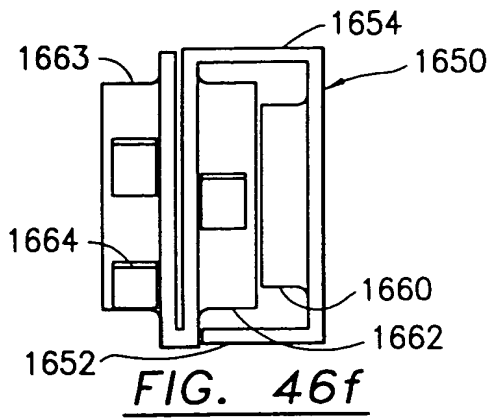


FIG. 46f

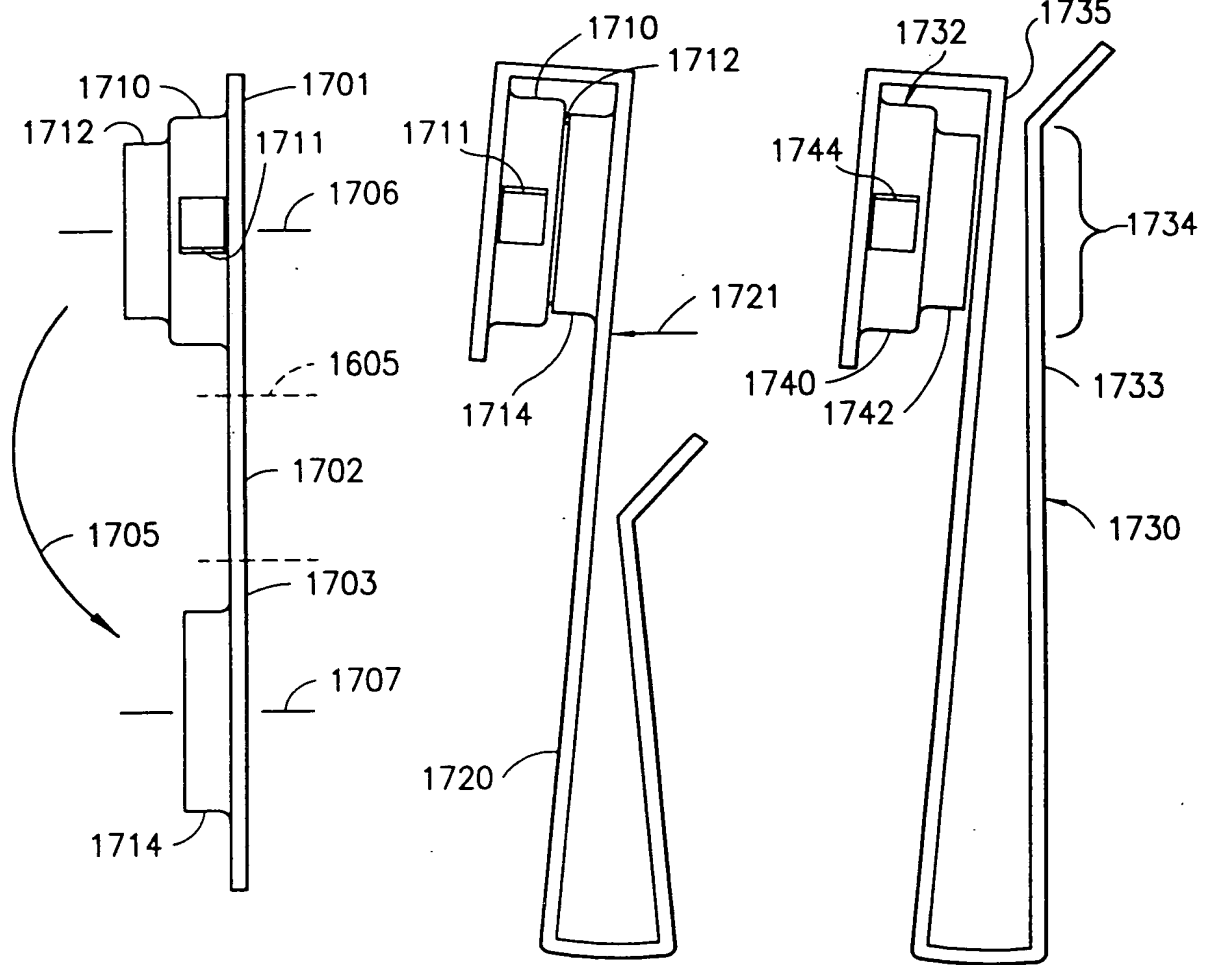


FIG. 46h

FIG. 46i

FIG. 46j

FIG. 46h

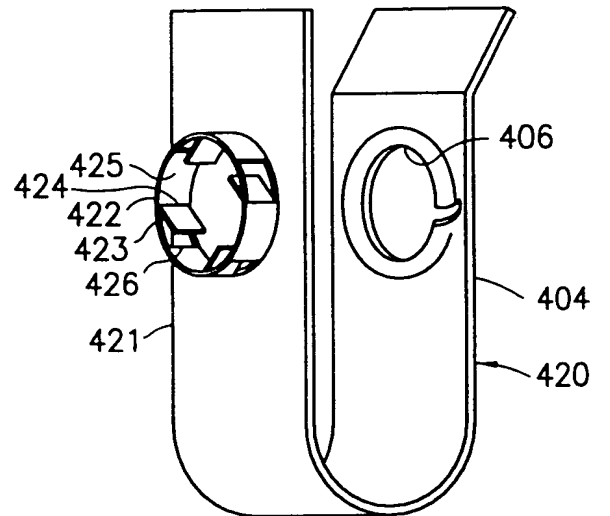
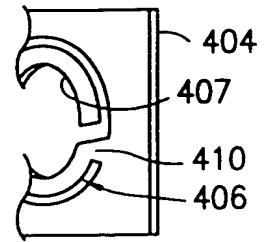
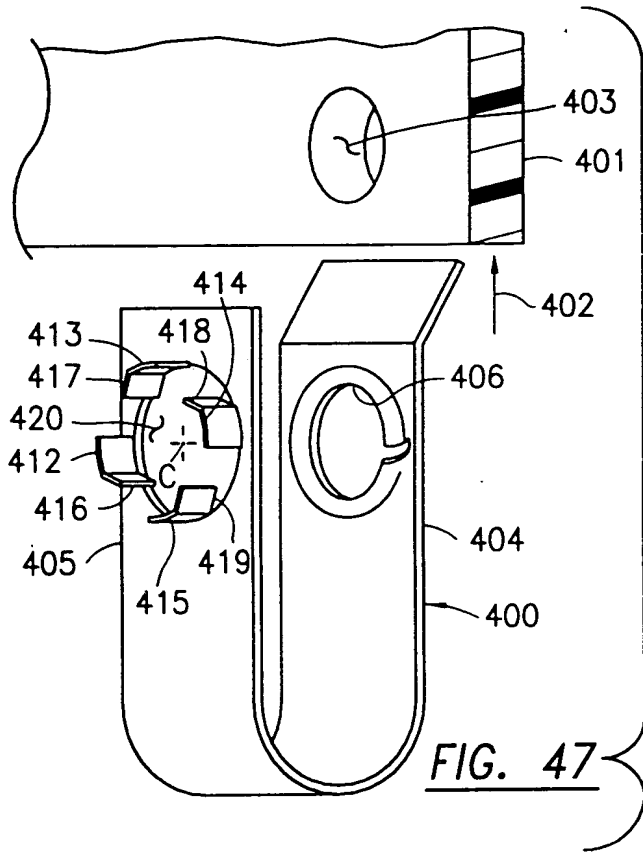
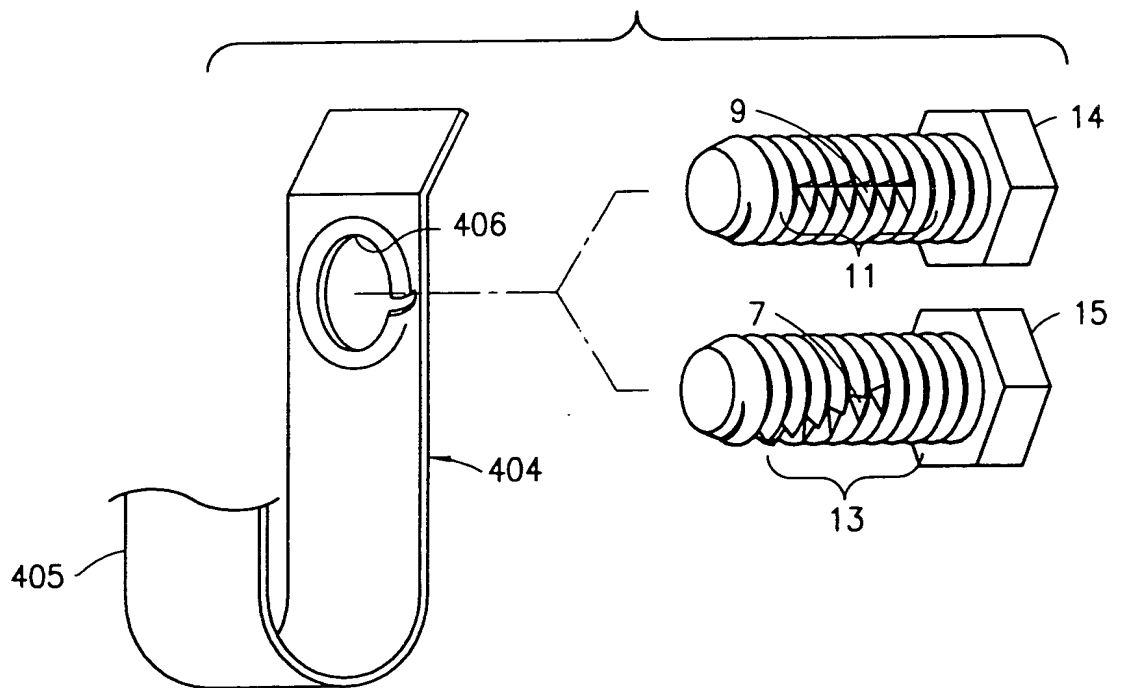


FIG. 50



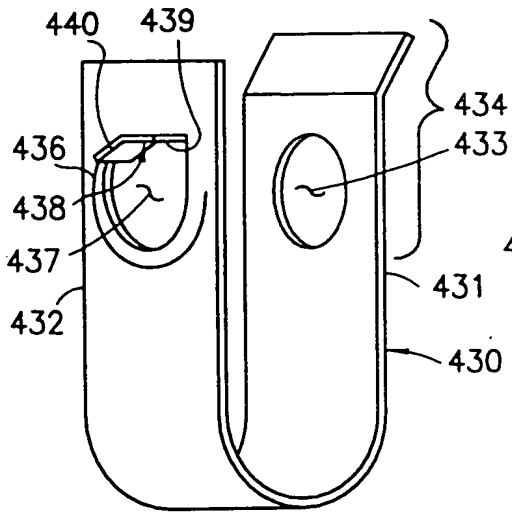


FIG. 51

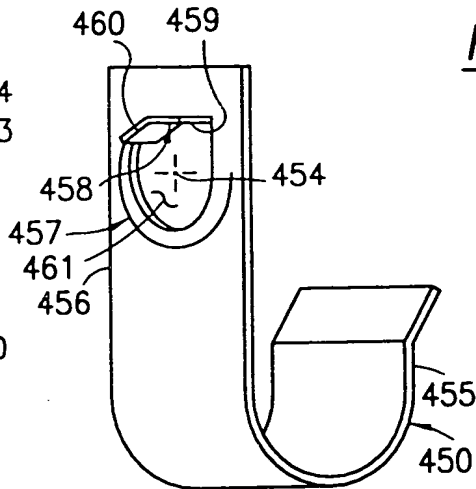


FIG. 55

FIG. 53a

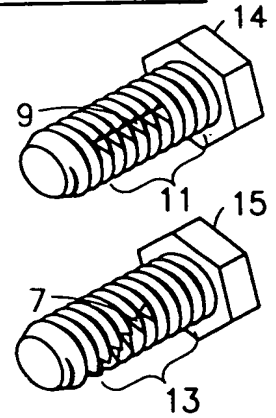


FIG. 53b

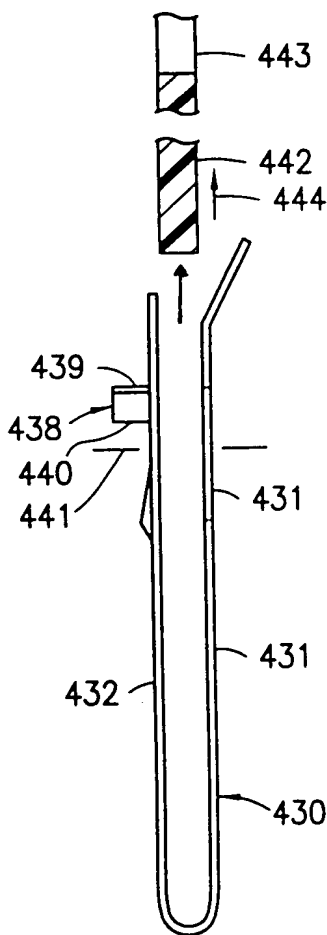


FIG. 52a

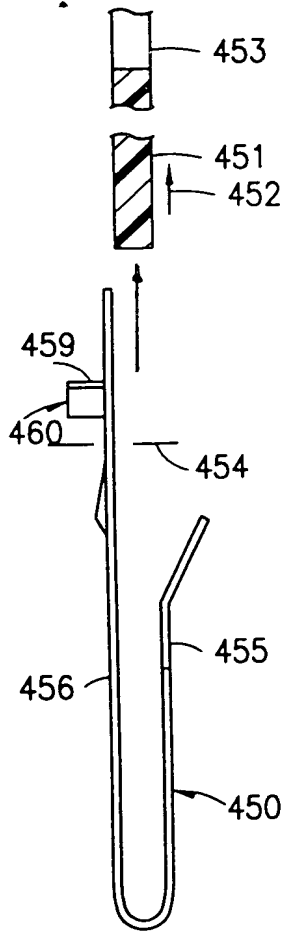


FIG. 52b

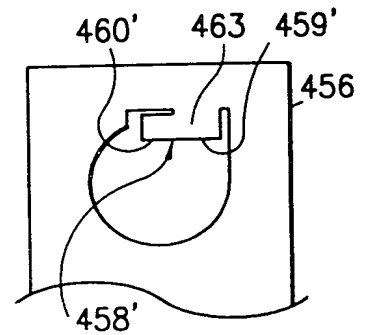


FIG. 54a

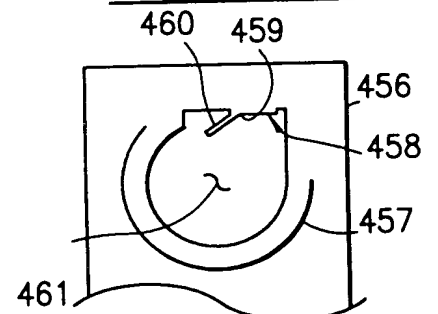


FIG. 54b

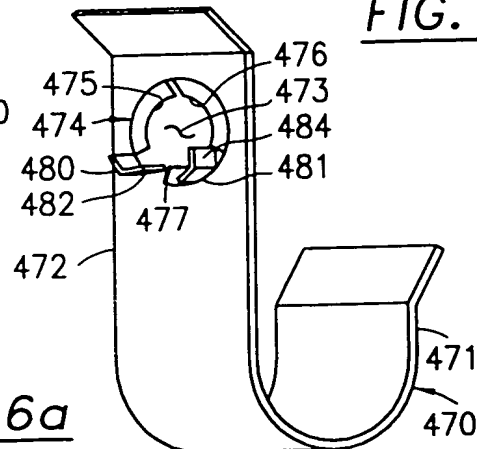


FIG. 56a



FIG. 56d

FIG. 56b

FIG. 56c



FIG. 56f

1. The first part of the paper is devoted to the study of the properties of the function $f(x)$ defined by the equation $f(x) = \int_0^x f(t) dt$. It is shown that $f(x)$ is a continuous function and that it satisfies the functional equation $f(x+y) = f(x) + f(y)$. The function $f(x)$ is also shown to be differentiable and its derivative is found to be $f'(x) = f(x)$. This implies that $f(x) = Ce^x$ for some constant C . The value of C is determined by the initial condition $f(0) = 1$, which gives $C = 1$. Therefore, the function $f(x)$ is $f(x) = e^x$.

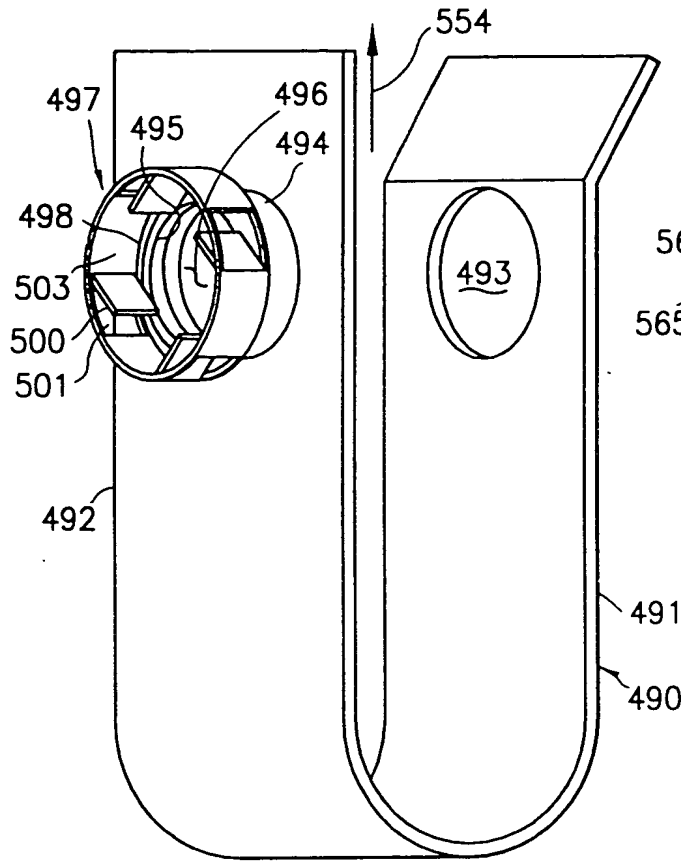


FIG. 57

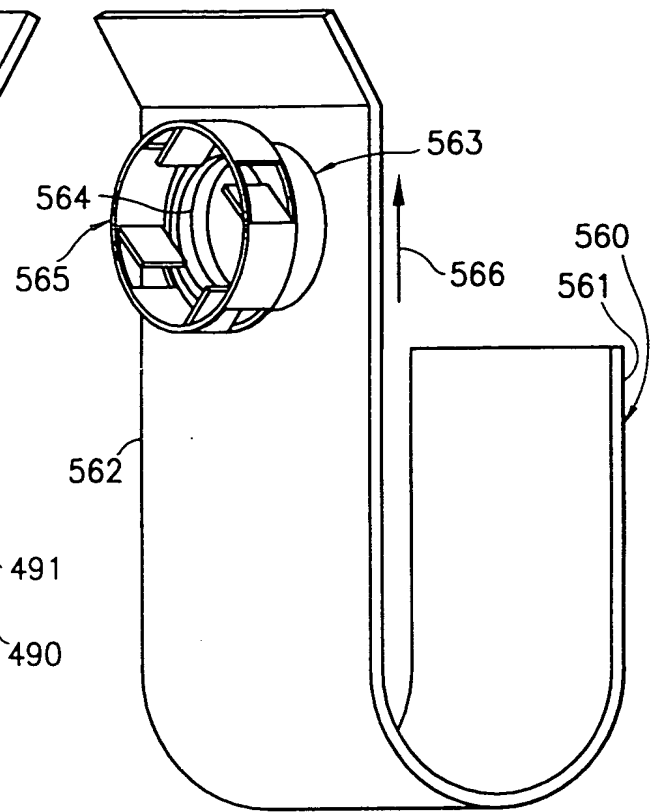


FIG. 58

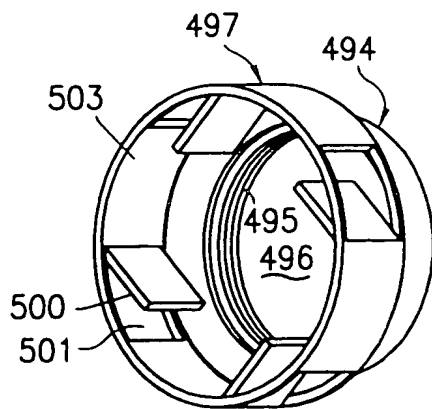


FIG. 59

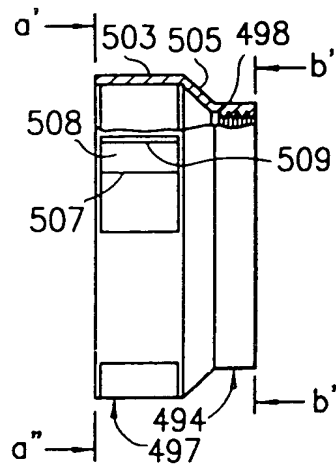


FIG. 60

FIG. 61a

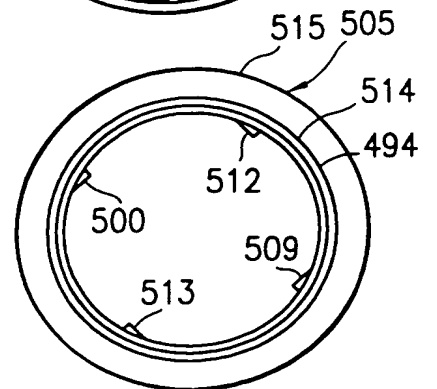
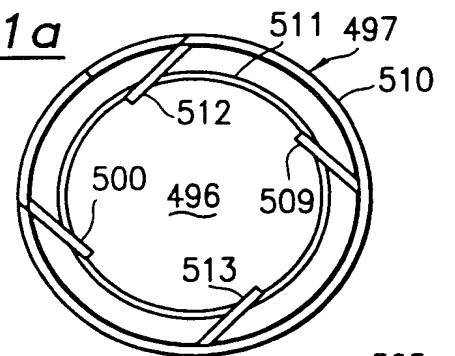


FIG. 61b

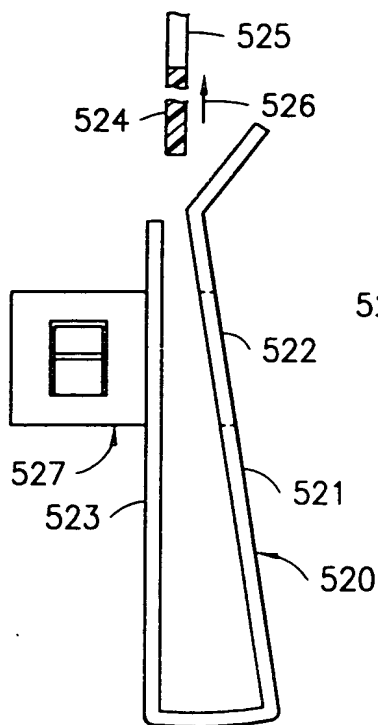


FIG. 62

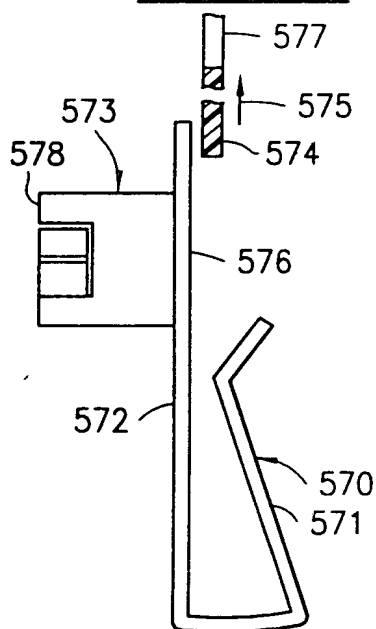


FIG. 65

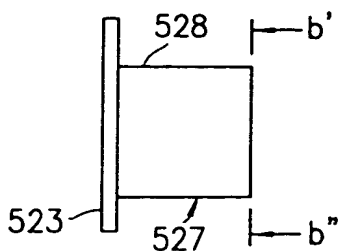


FIG. 63a

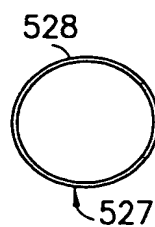


FIG. 63b

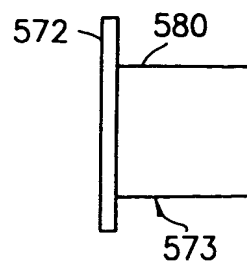


FIG. 66a

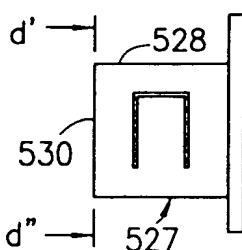


FIG. 63c

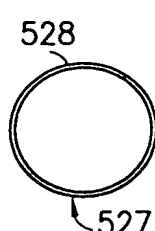


FIG. 63d

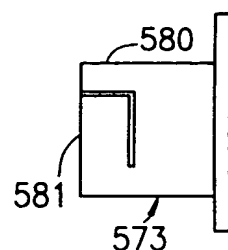


FIG. 66b

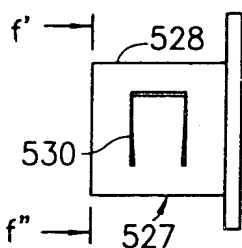


FIG. 63e

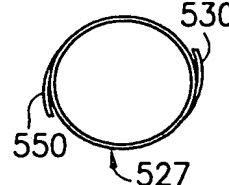


FIG. 63f

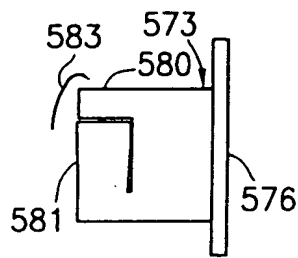


FIG. 66c

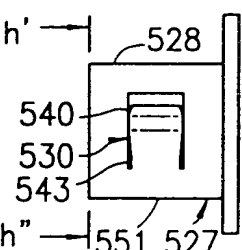


FIG. 63q

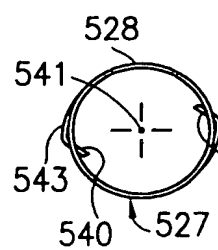


FIG. 63h

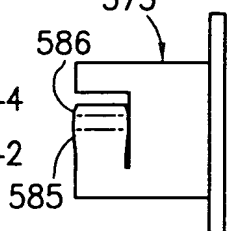


FIG. 66d

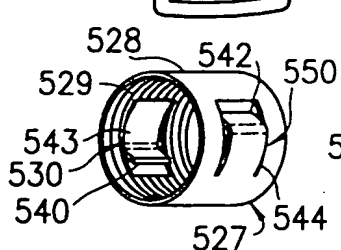


FIG. 64a

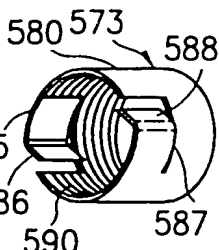


FIG. 67

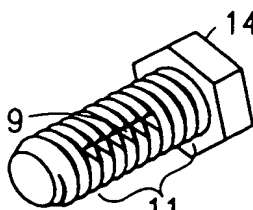


FIG. 68a

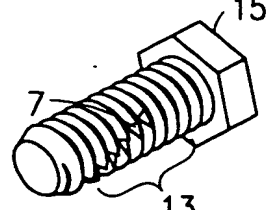


FIG. 68b

[illegible]

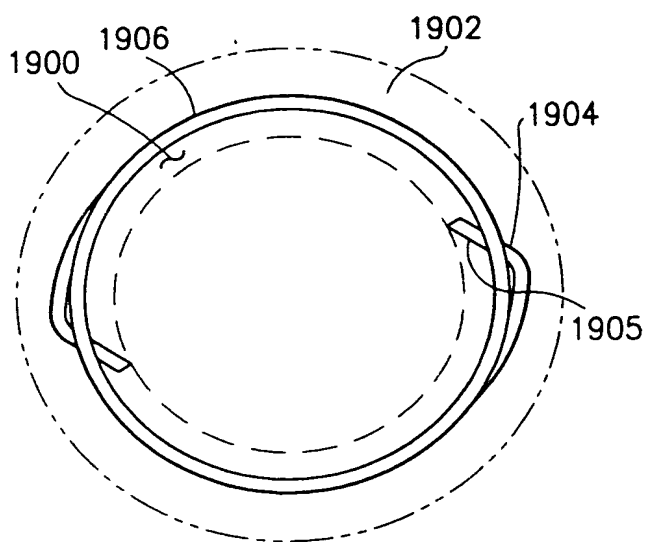


FIG. 64b

40045403 134304
40045403 134304

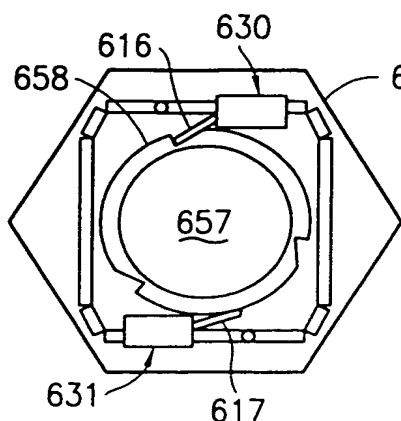


FIG. 74a

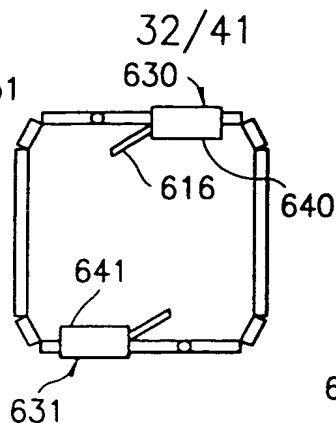


FIG. 73a

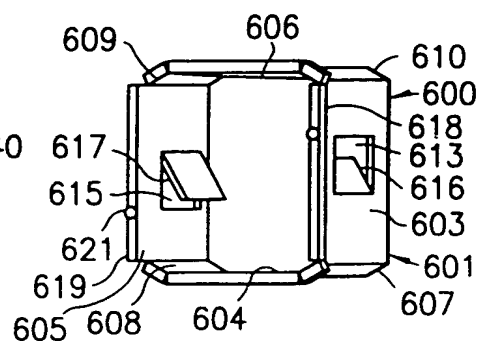


FIG. 69

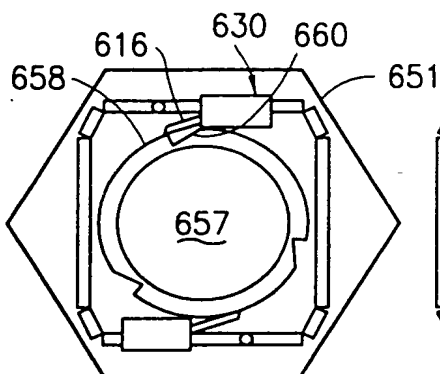


FIG. 74b

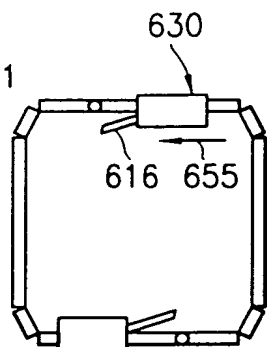


FIG. 73b

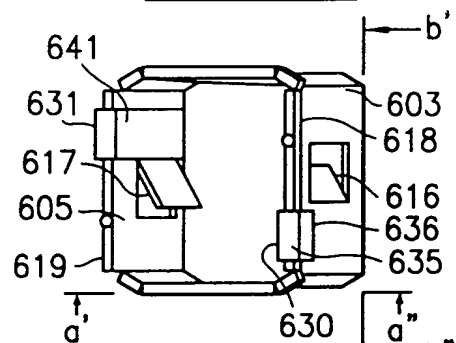


FIG. 70

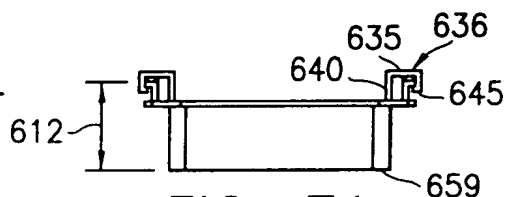


FIG. 71a

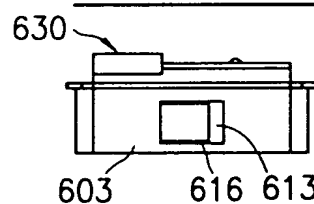


FIG. 71b

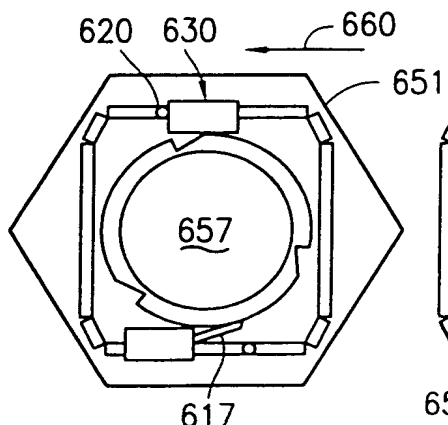


FIG. 74c

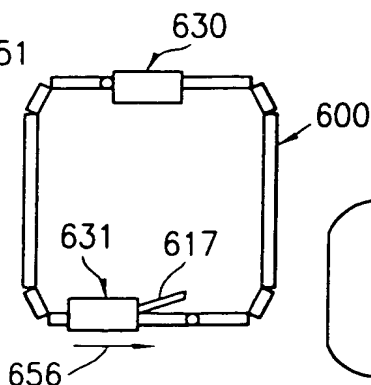


FIG. 73c

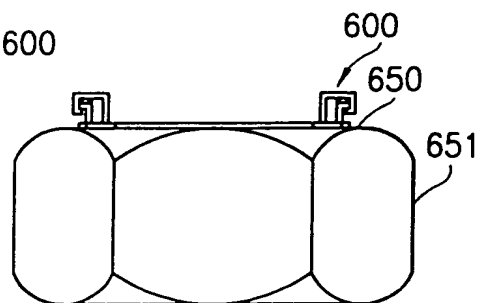


FIG. 72

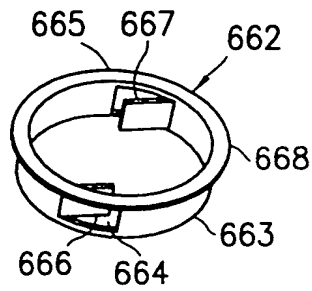


FIG. 75a

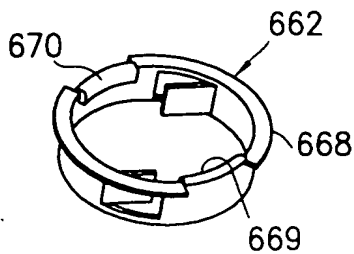


FIG. 75b

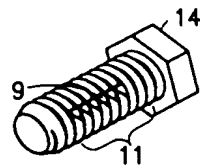


FIG. 85

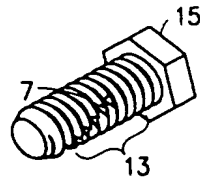


FIG. 86

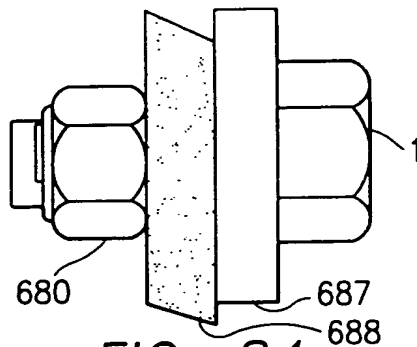


FIG. 84

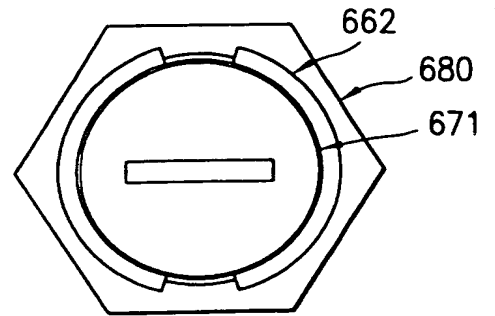


FIG. 78

FIG. 76

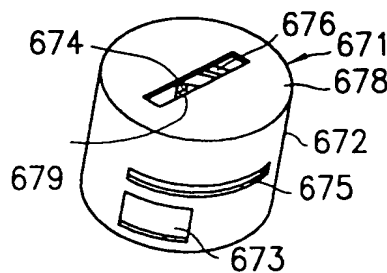


FIG. 79

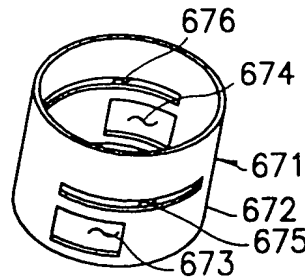


FIG. 77

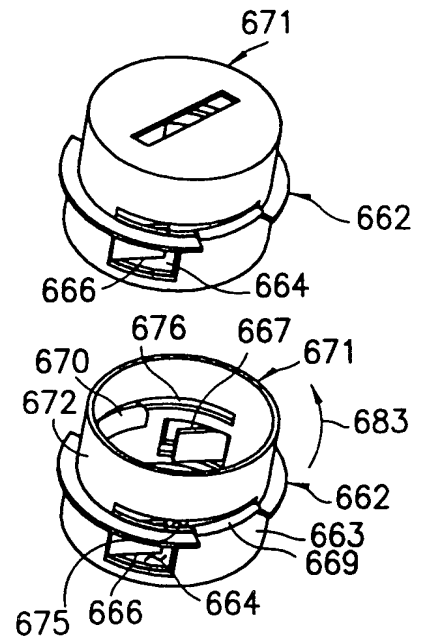


FIG. 80

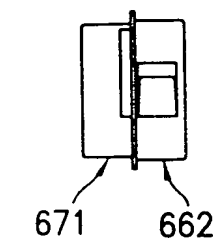


FIG. 81

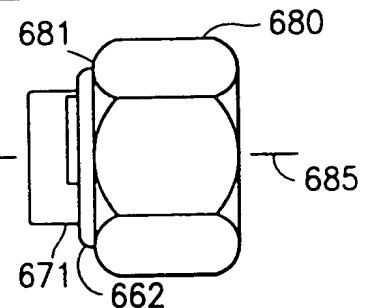
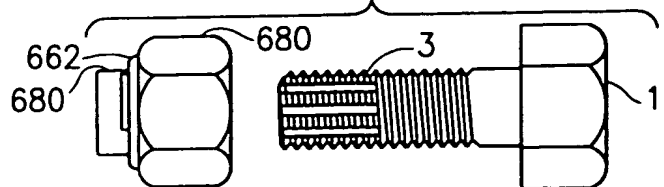


FIG. 82

FIG. 83



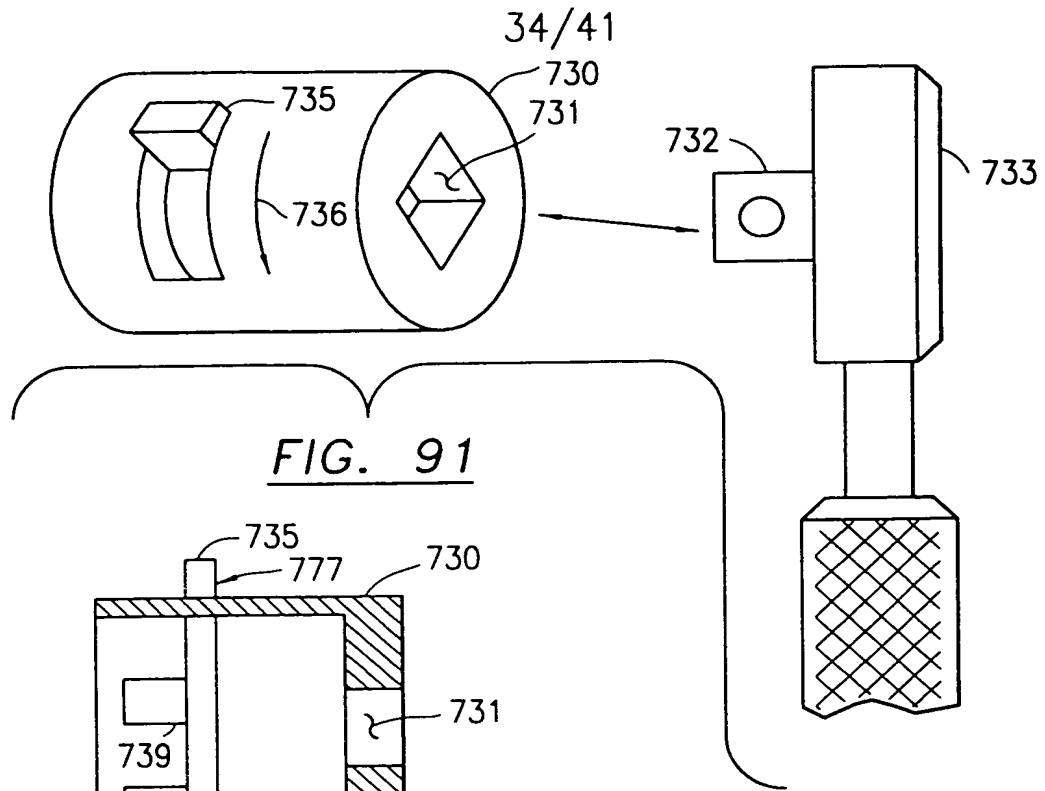


FIG. 91

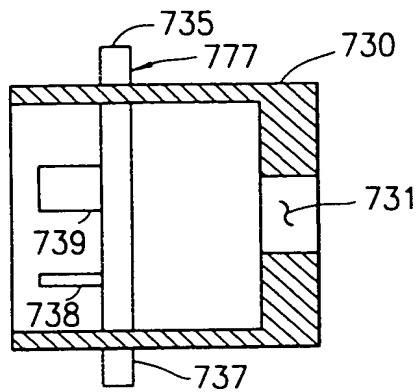


FIG. 92

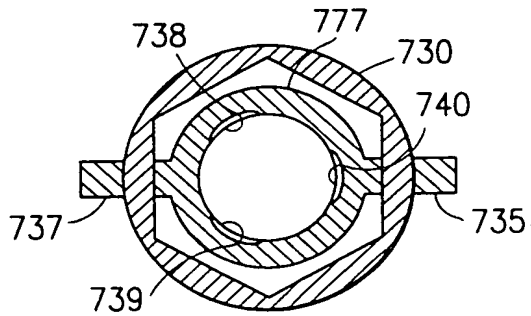


FIG. 93

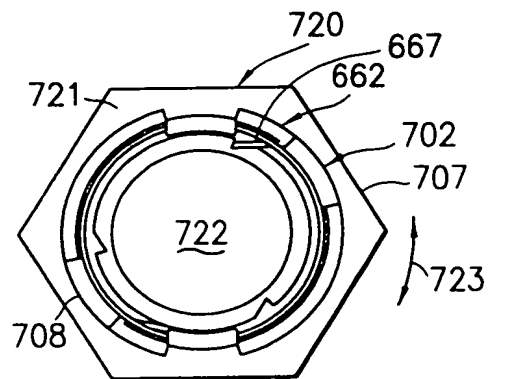


FIG. 90

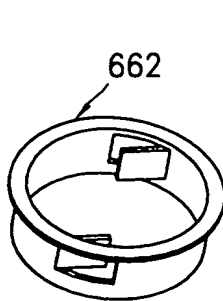


FIG. 87a

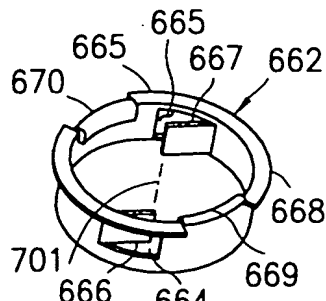


FIG. 87b

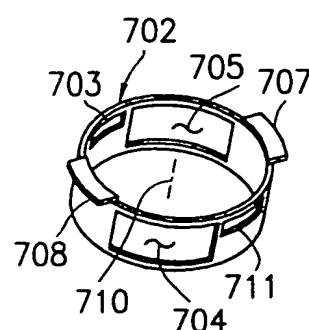


FIG. 88

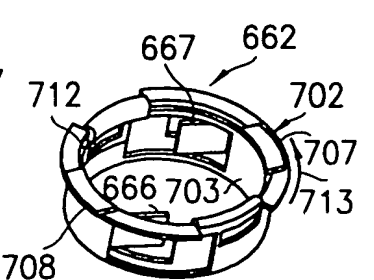


FIG. 89

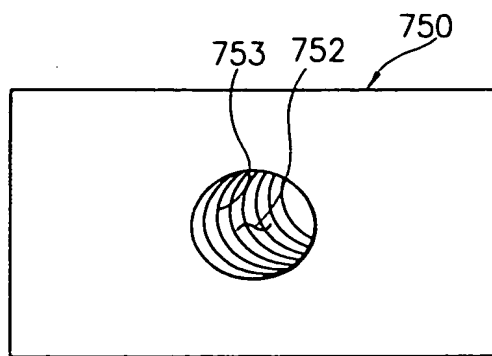


FIG. 94a

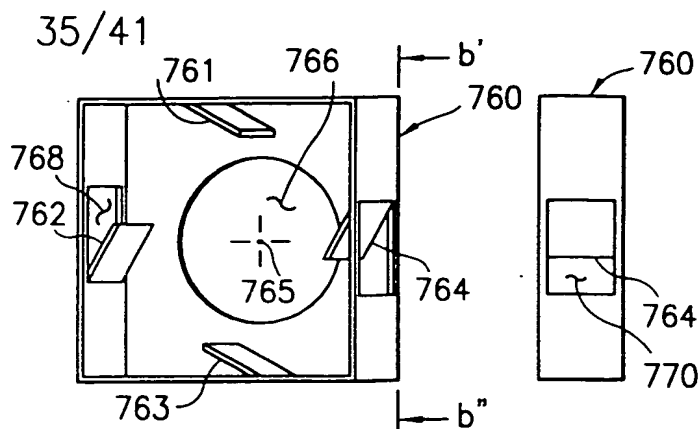


FIG. 95a

FIG. 95b

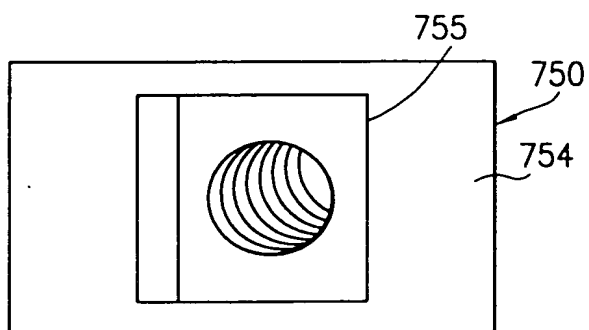


FIG. 94b

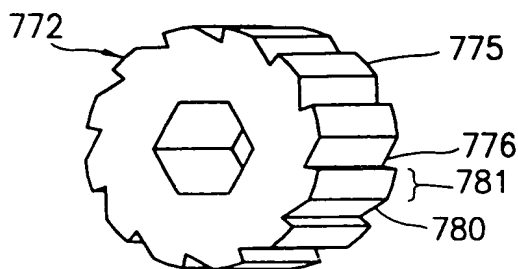


FIG. 97c

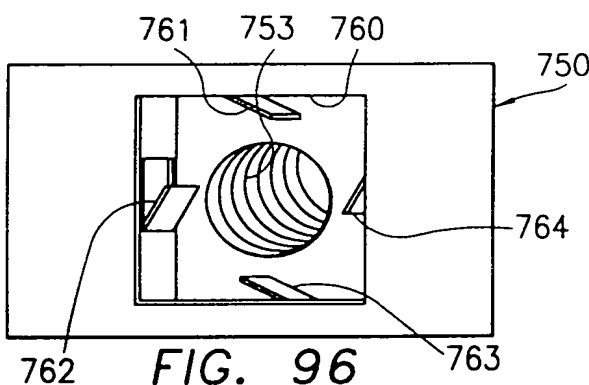


FIG. 96

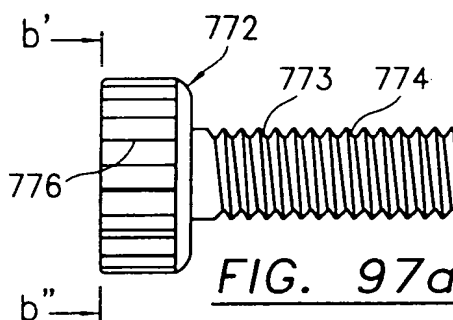


FIG. 97a

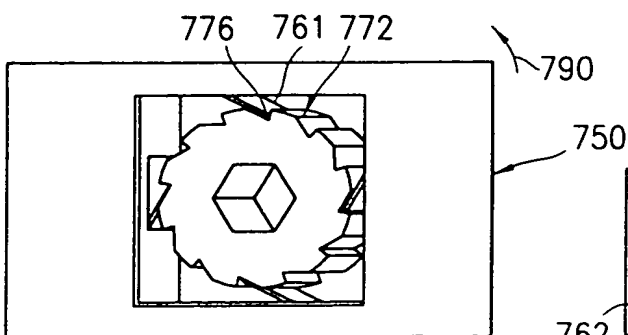


FIG. 98a

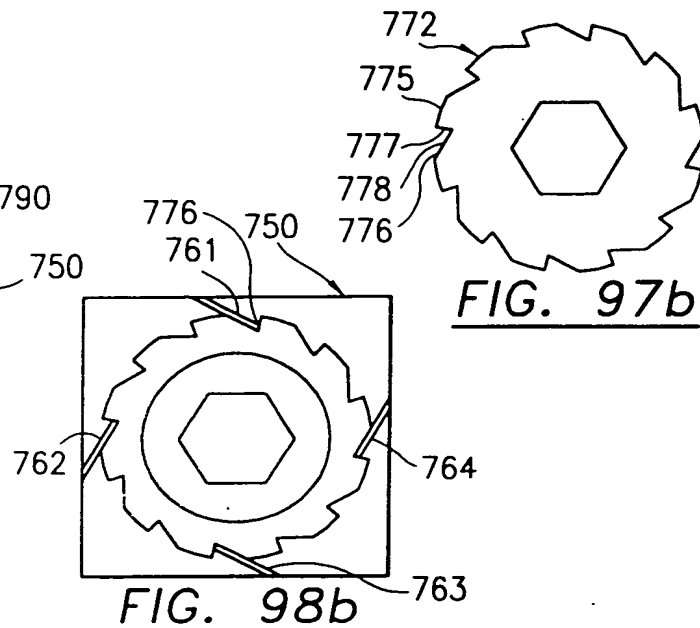


FIG. 97b

FIG. 98b

FIG. 94a

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+

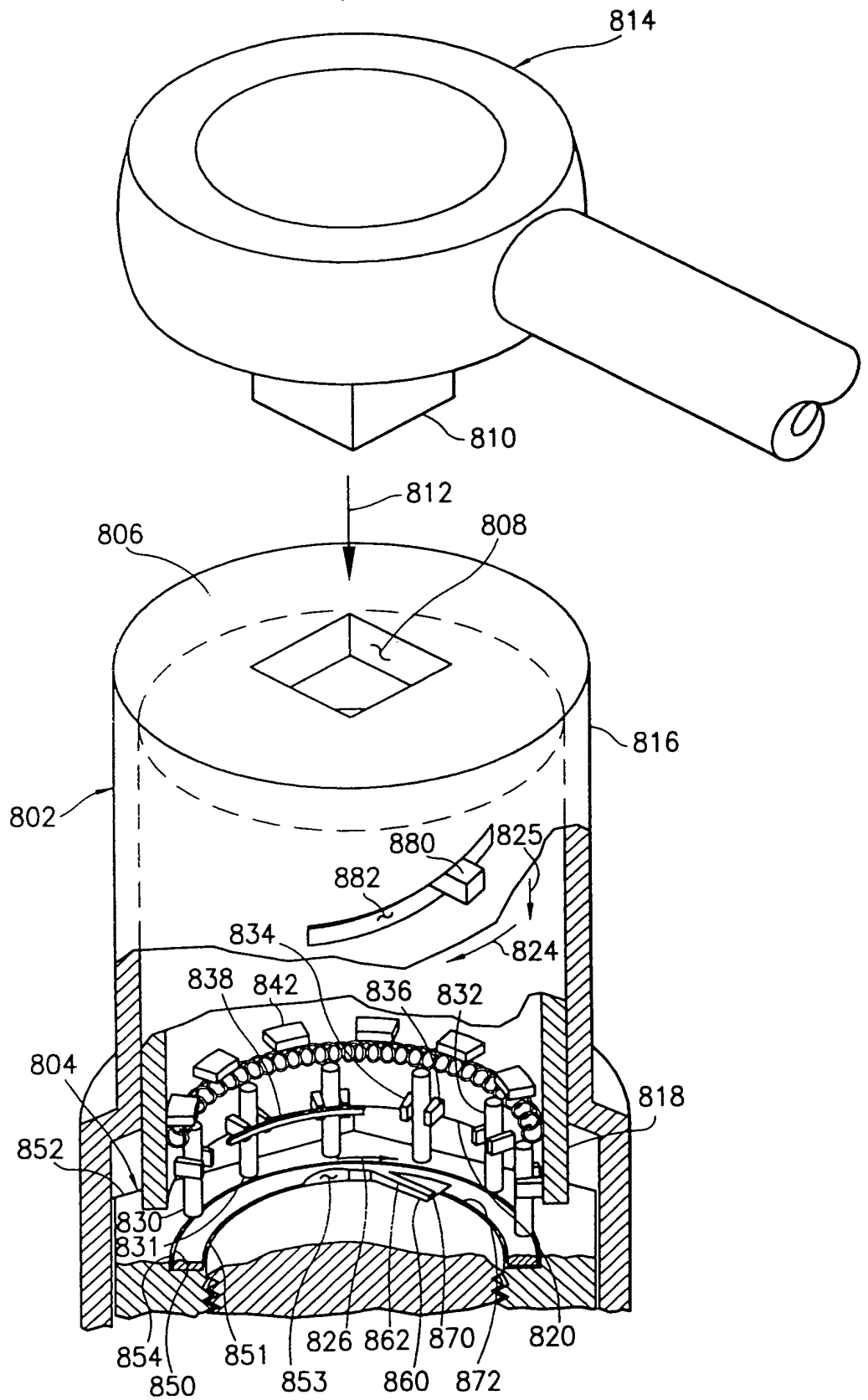


FIG. 99

+

FIG. 99

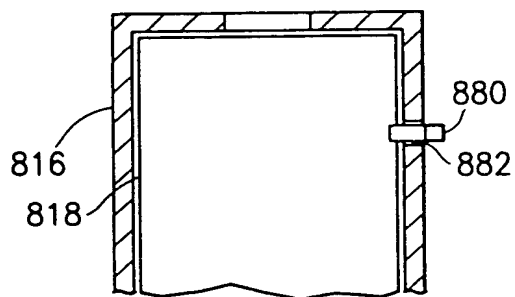


FIG. 100

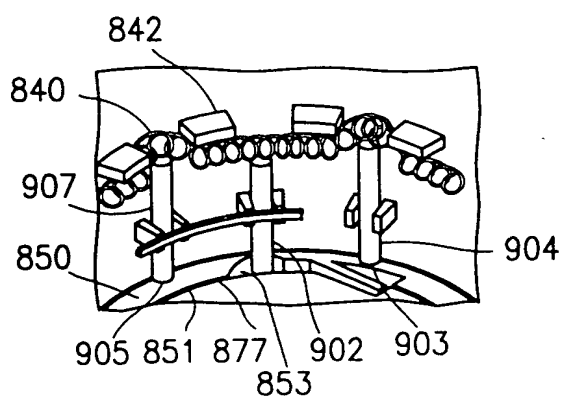


FIG. 101

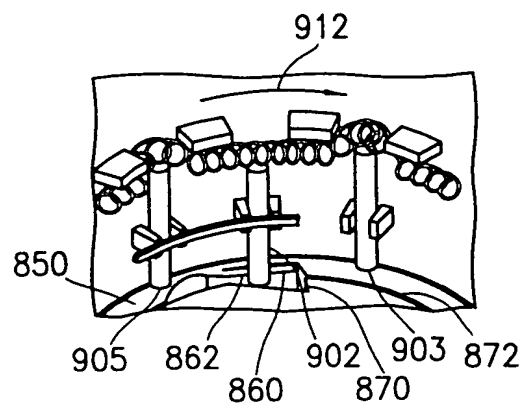


FIG. 102

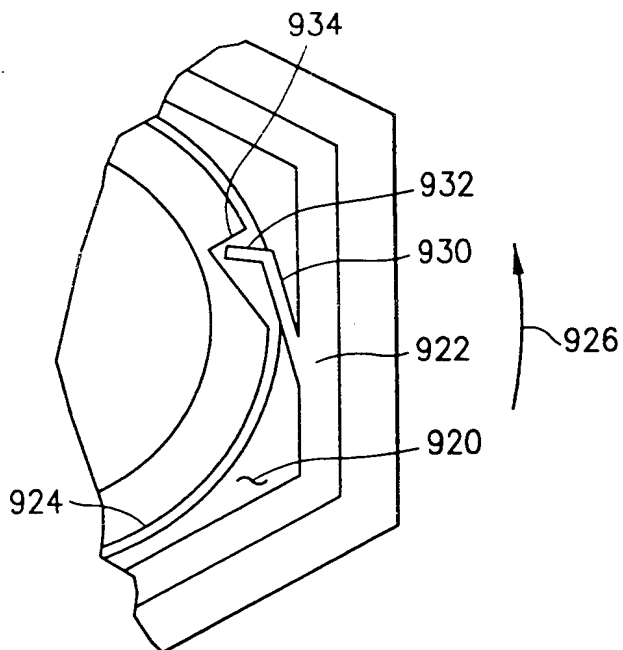
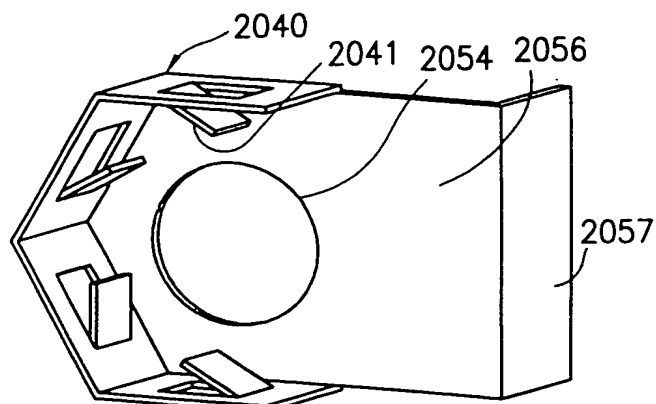
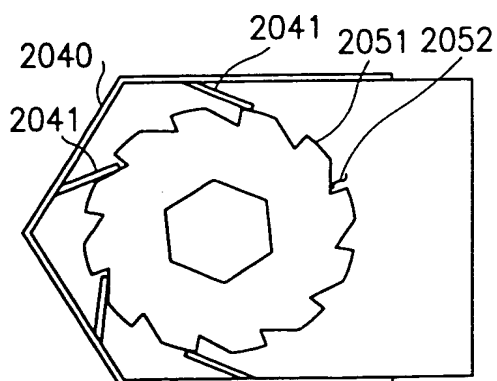
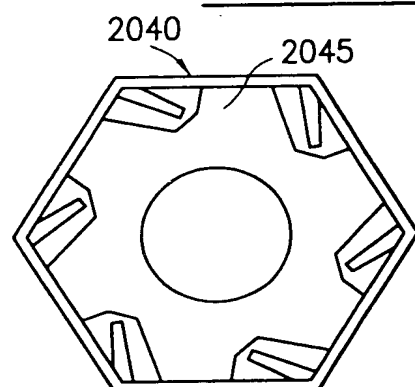
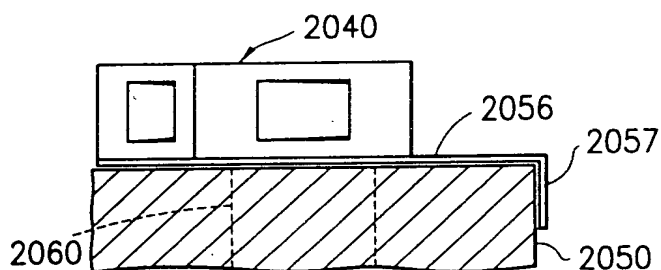
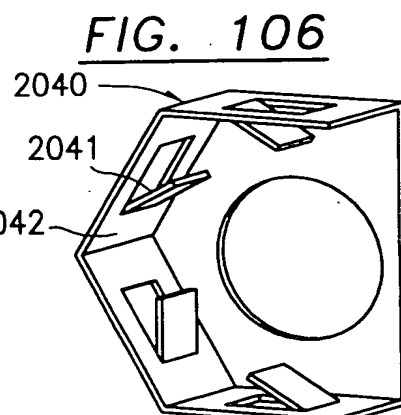
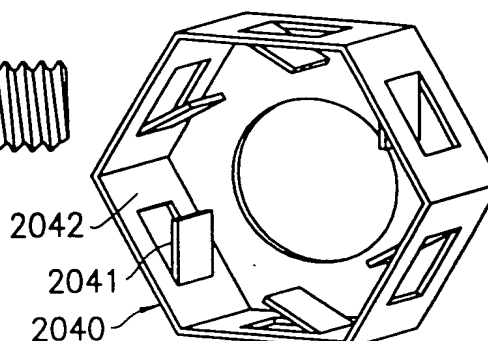
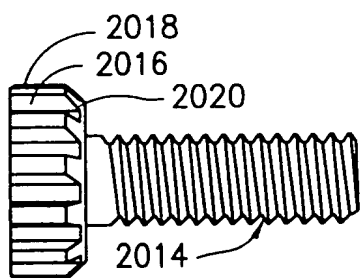
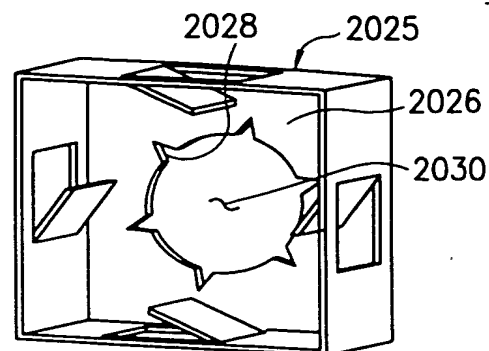
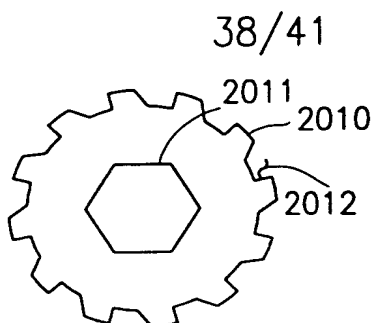
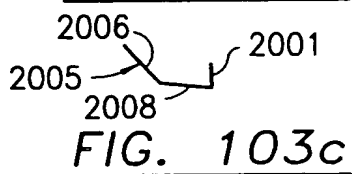
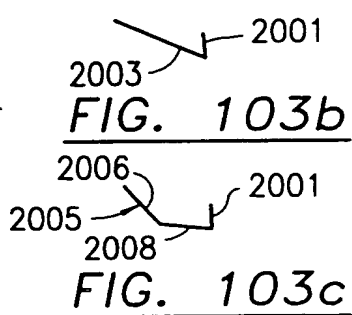


FIG. 103a

FIG. 100



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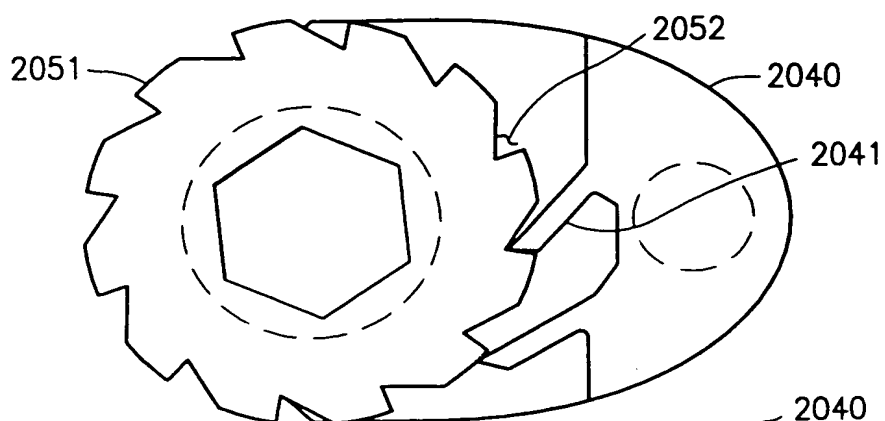


FIG. 111a

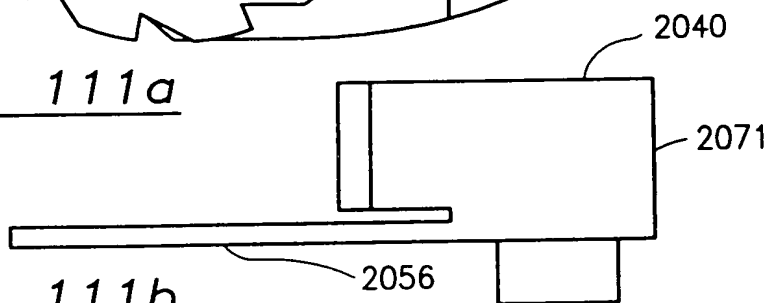


FIG. 111b

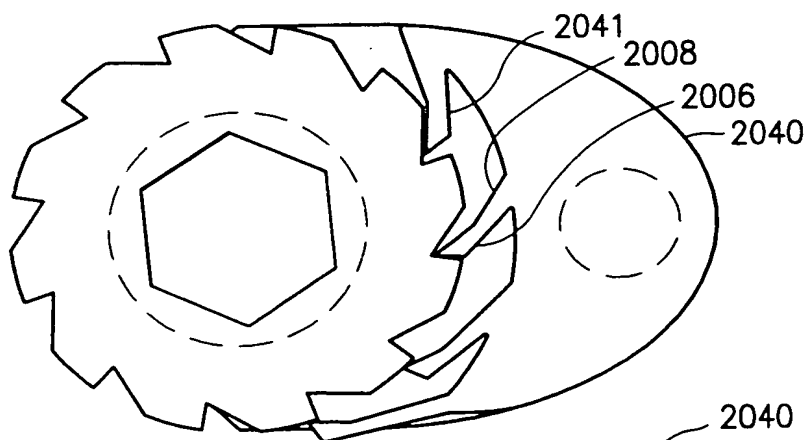


FIG. 111c

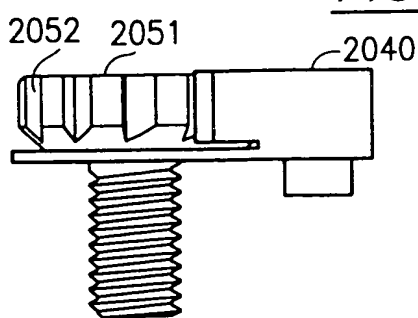


FIG. 111e

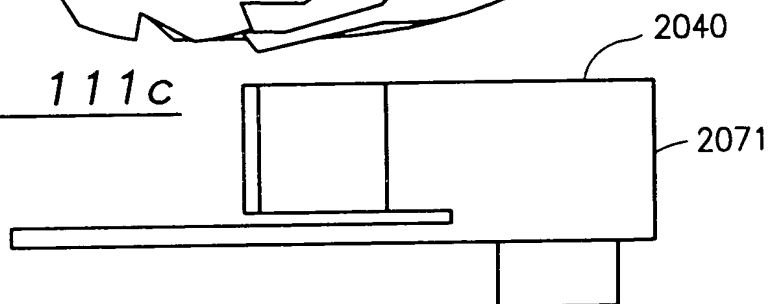


FIG. 111d

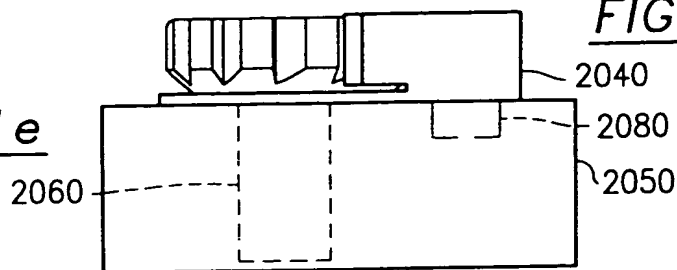


FIG. 111f

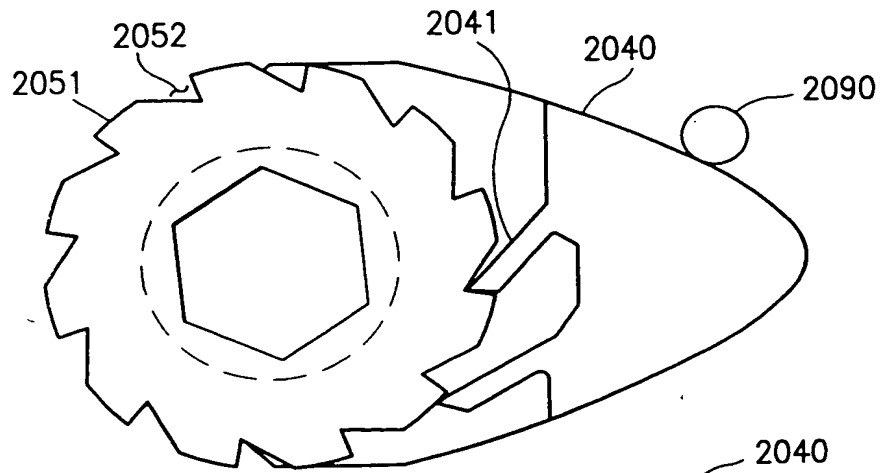


FIG. 112a

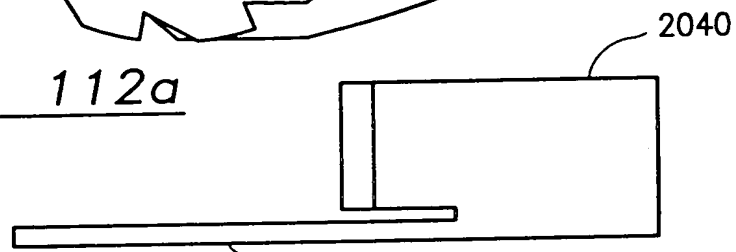


FIG. 112b

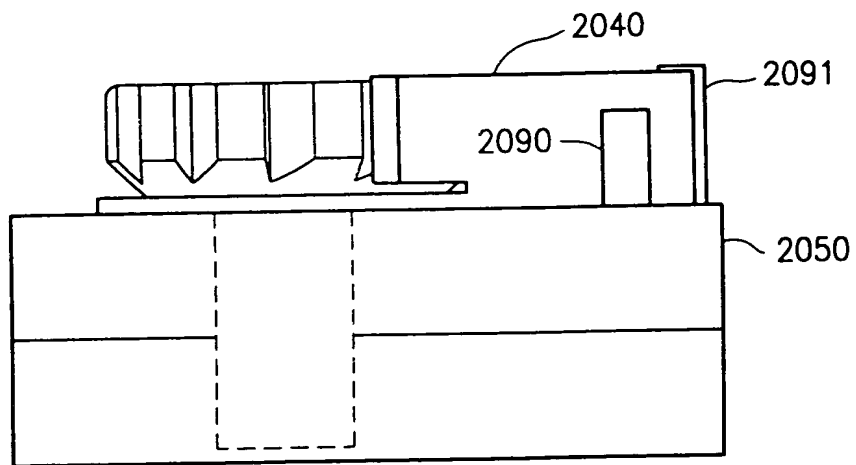


FIG. 112c

FIG. 112a

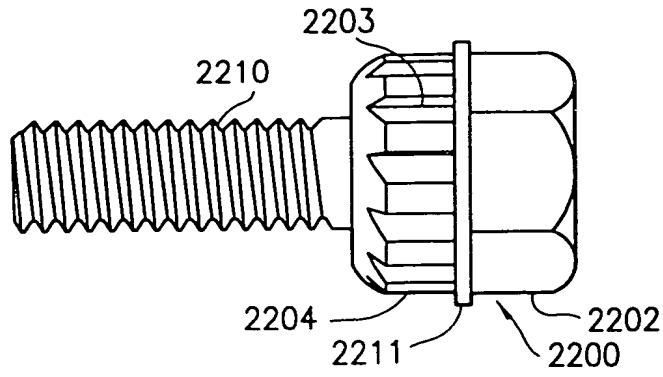


FIG. 113

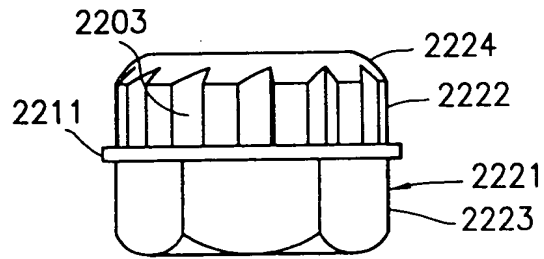
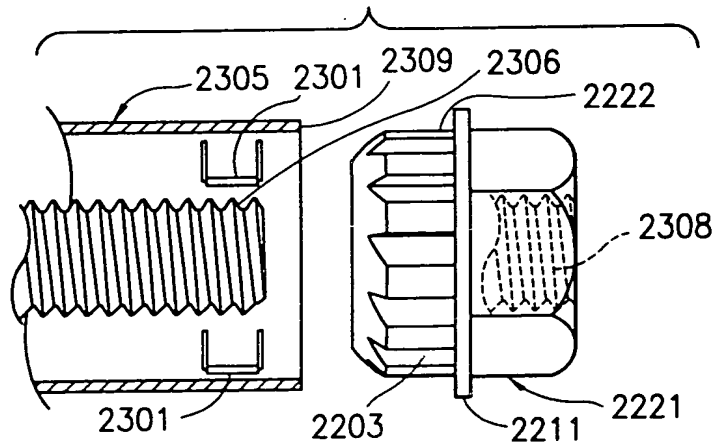


FIG. 114

FIG. 115



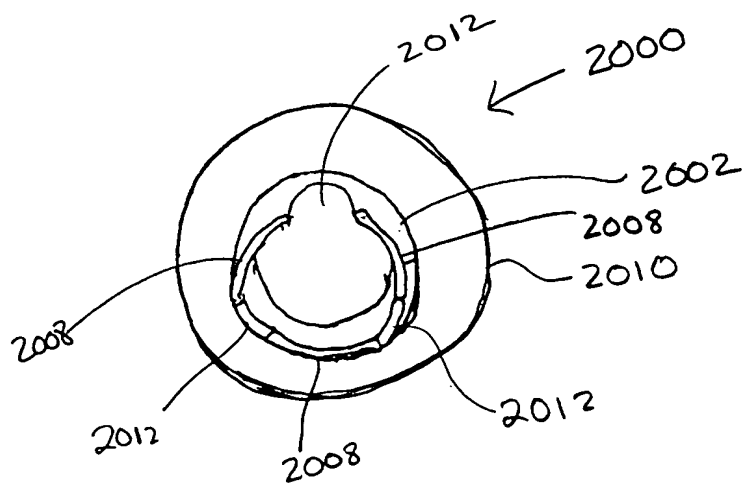


FIG. 116

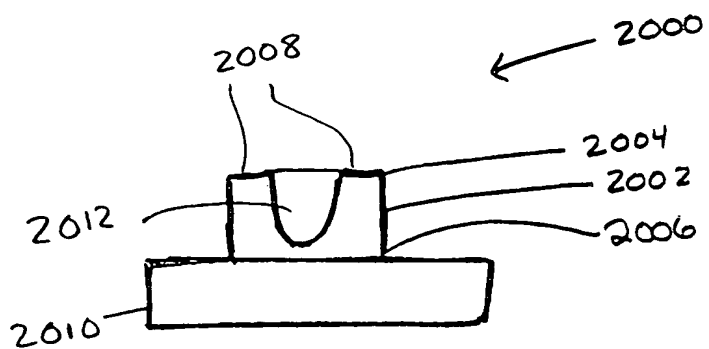


FIG. 117

FIG. 116